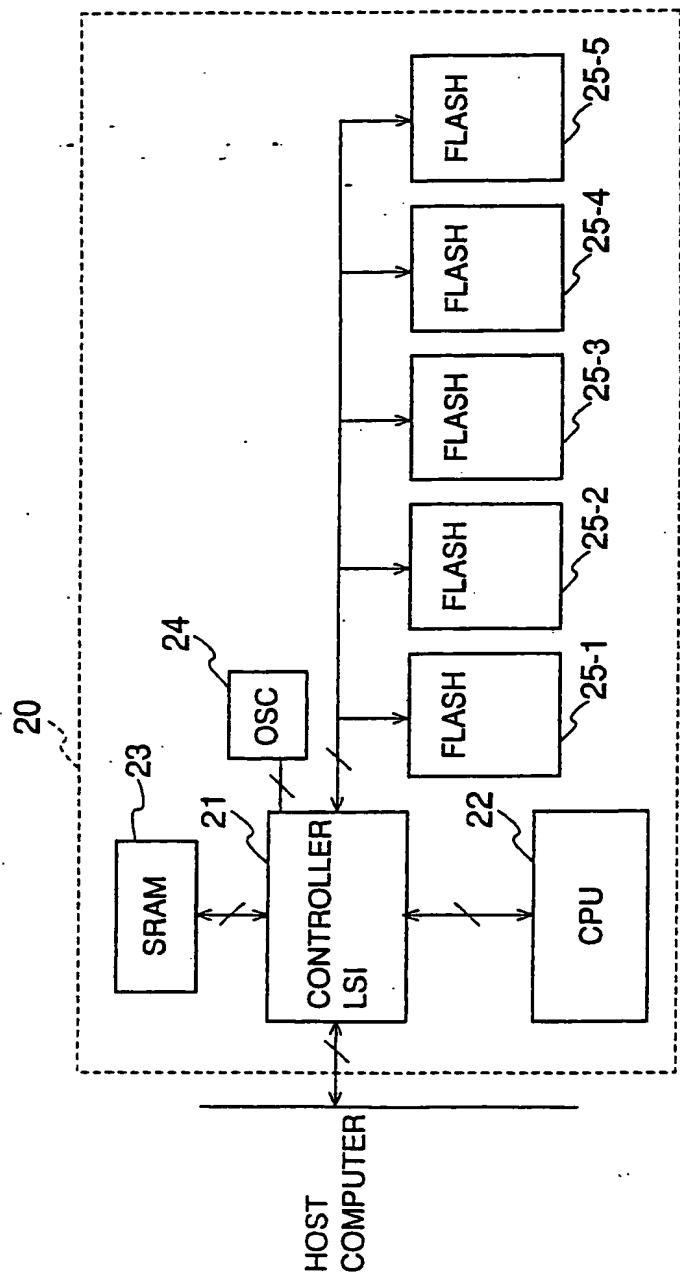


FIG.1



# FIG.2

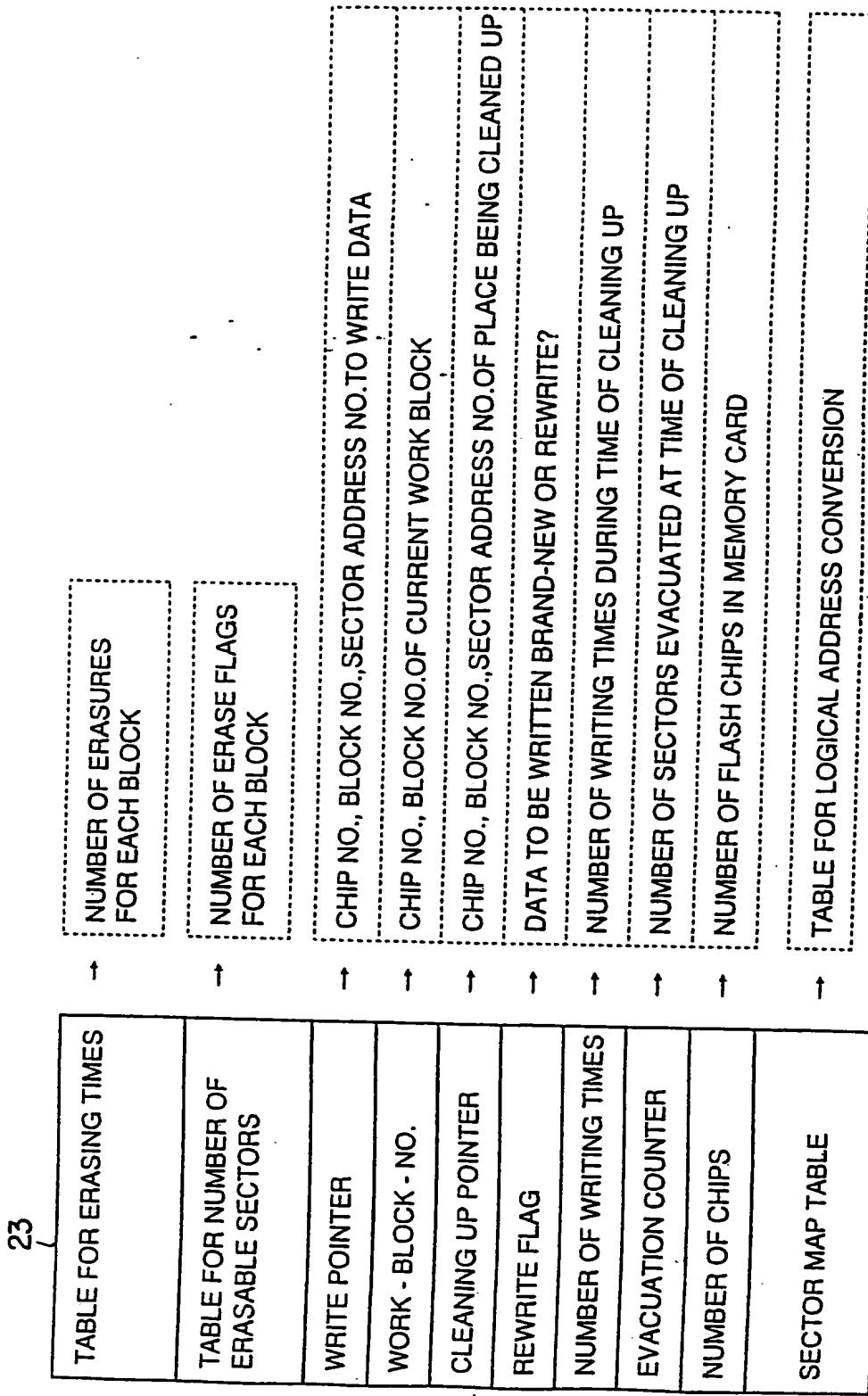


FIG.3

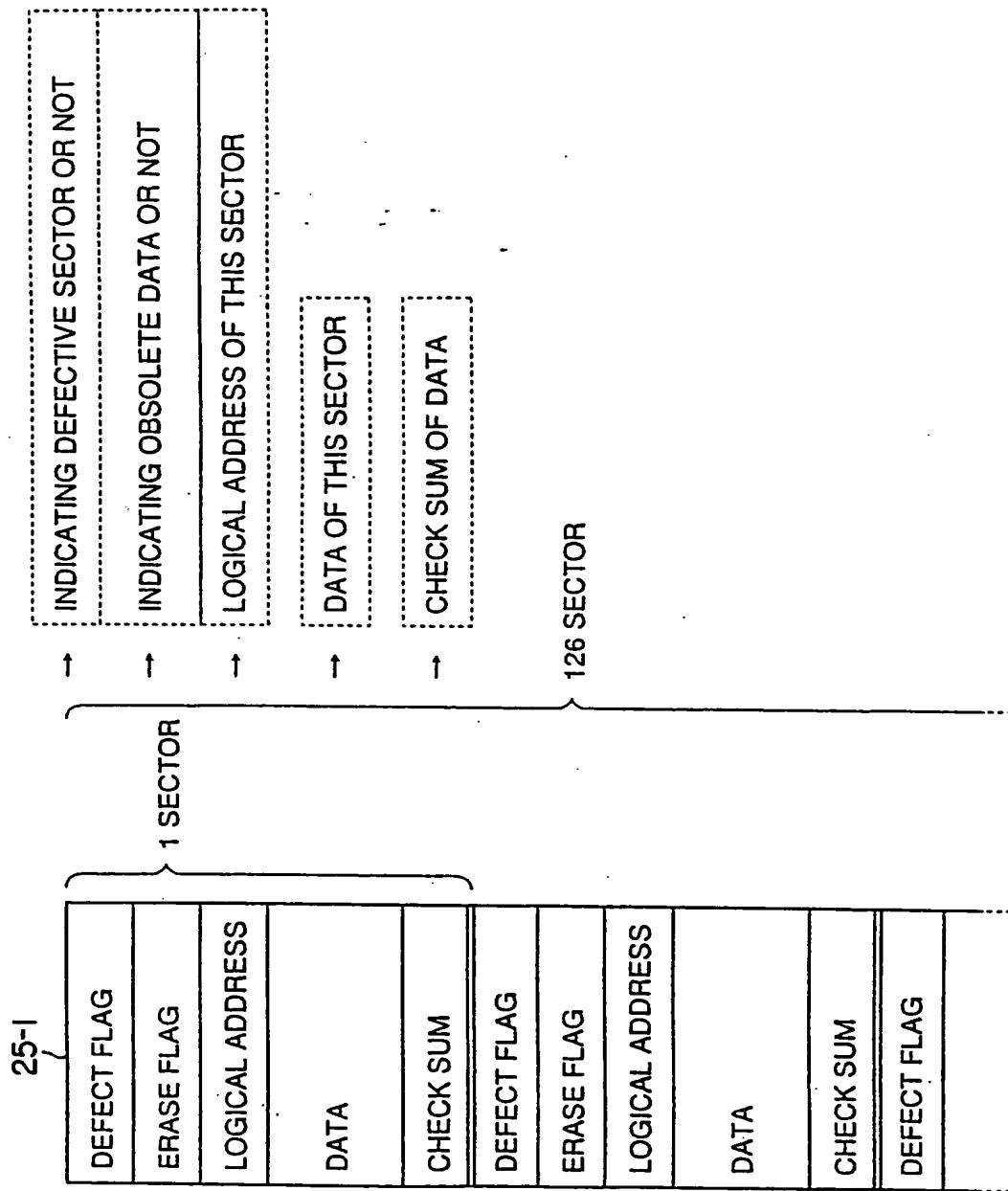


FIG.4

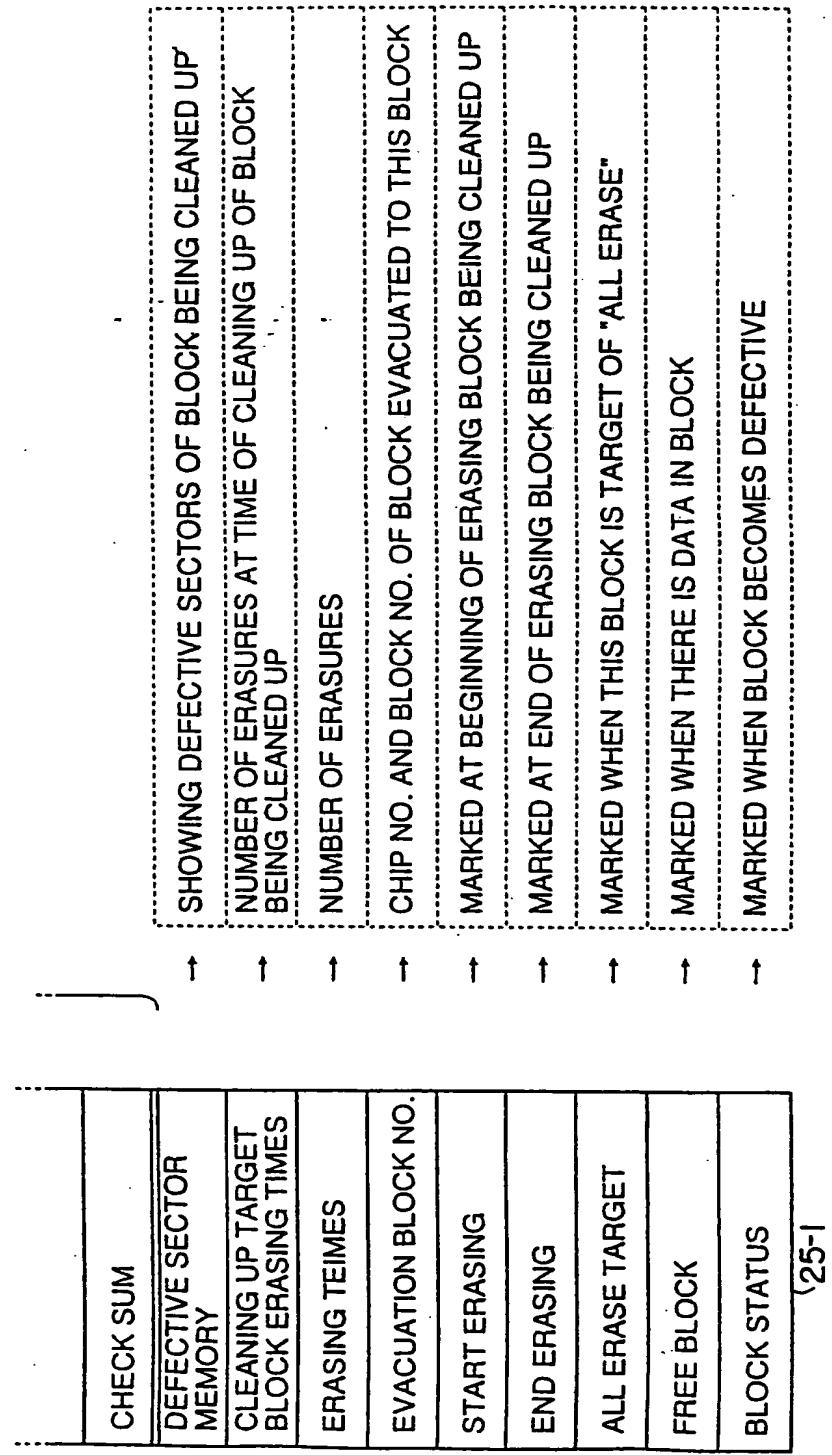


FIG.5

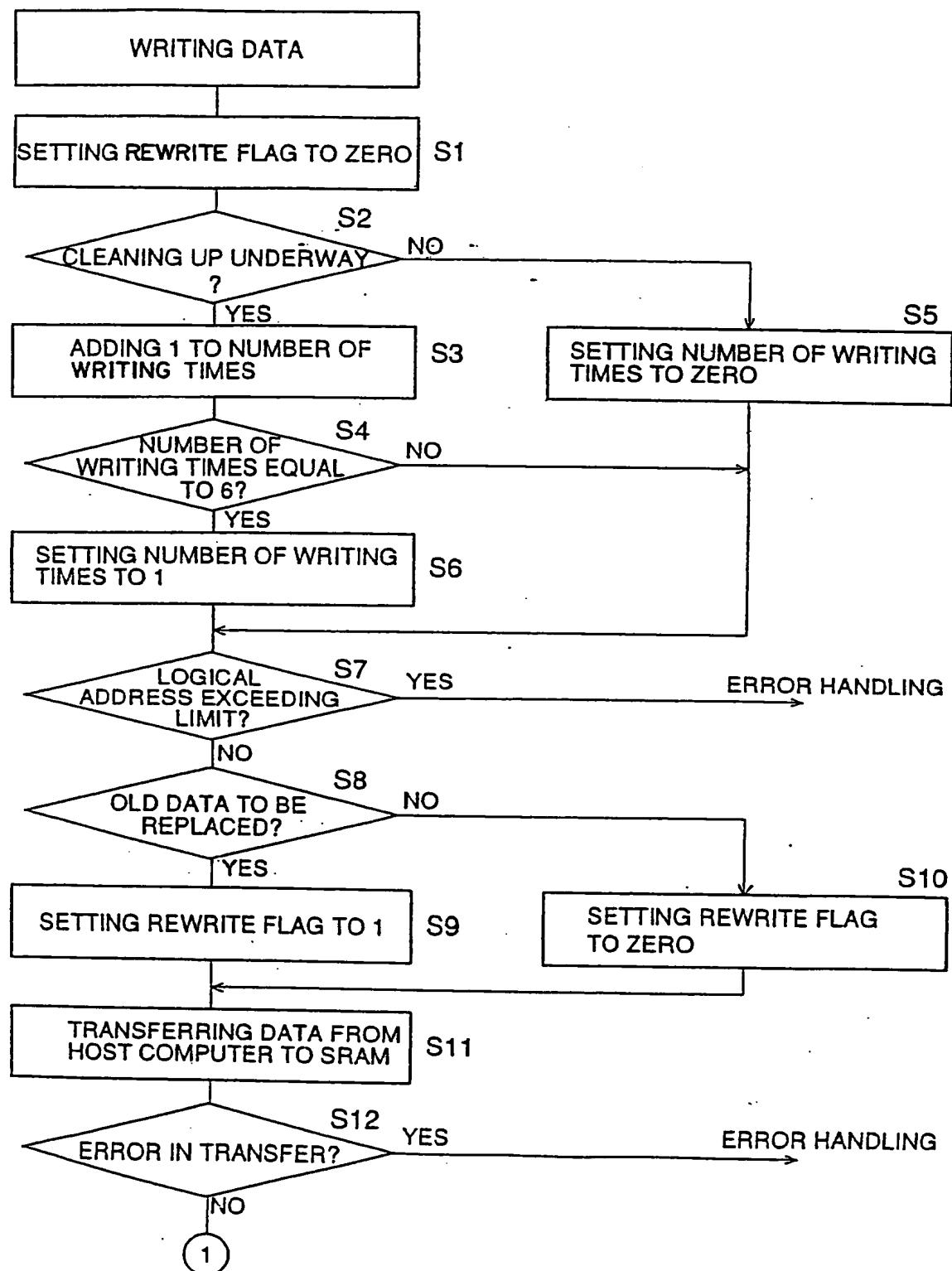


FIG.6

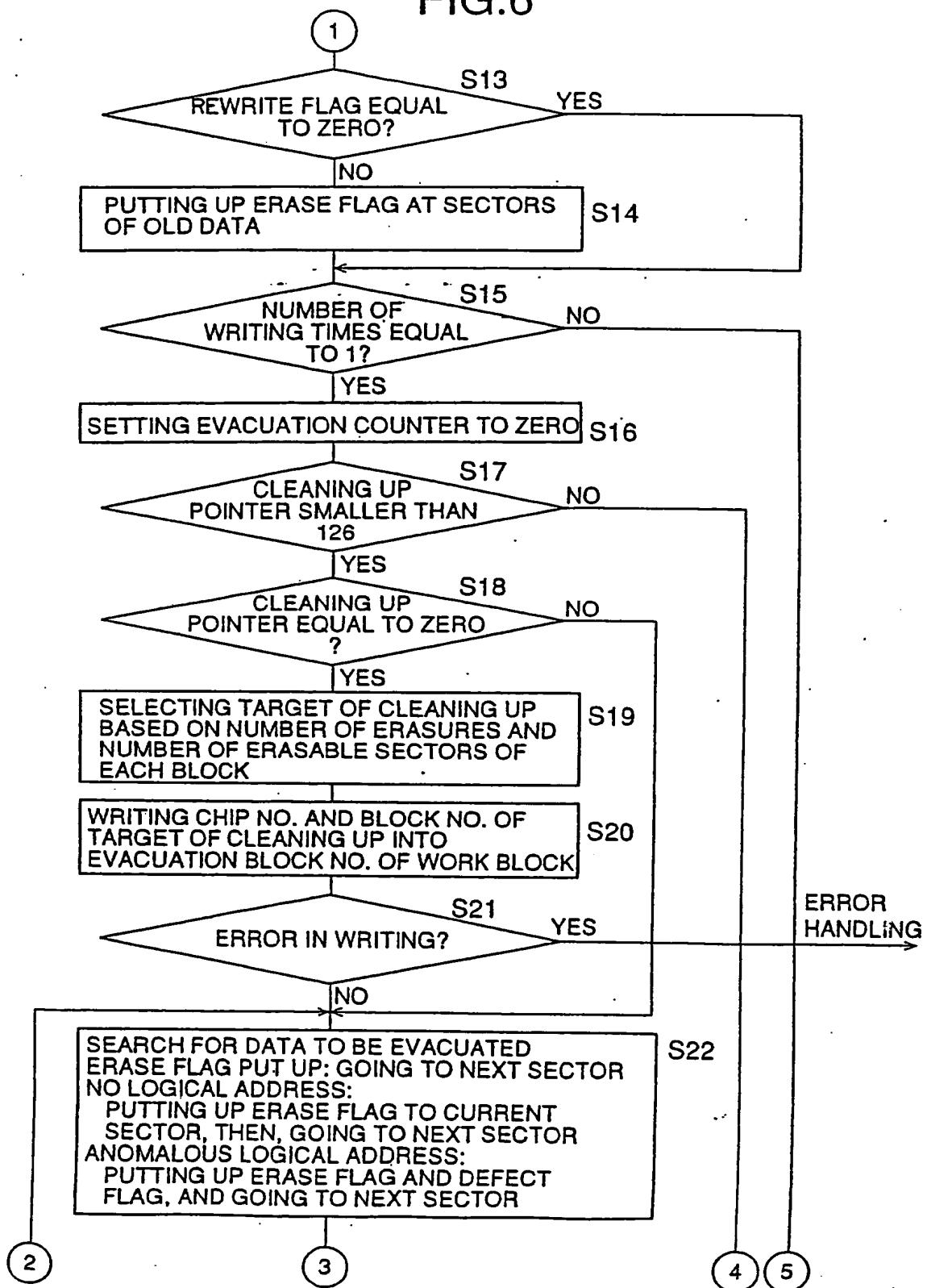


FIG.7

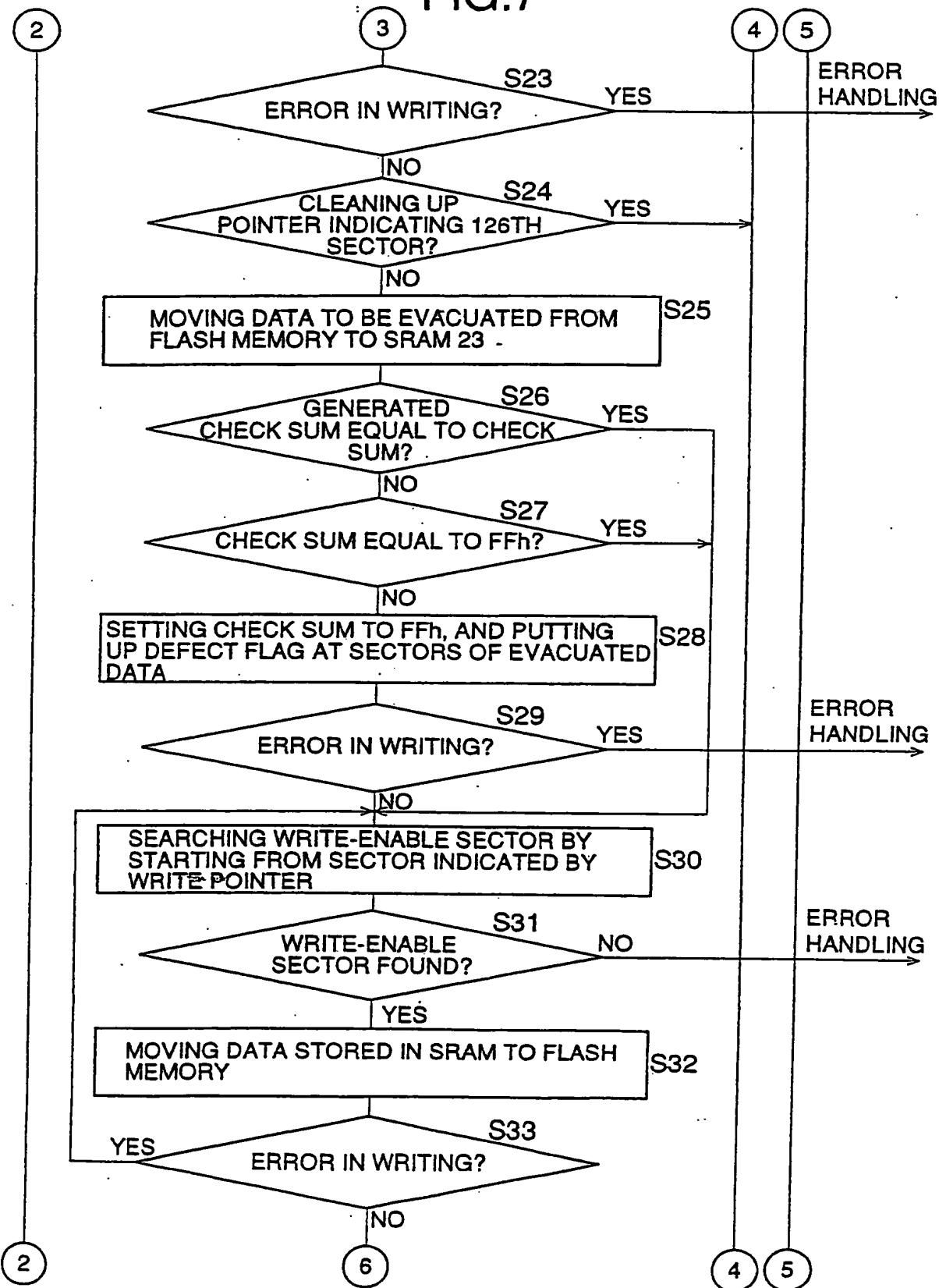


FIG.8

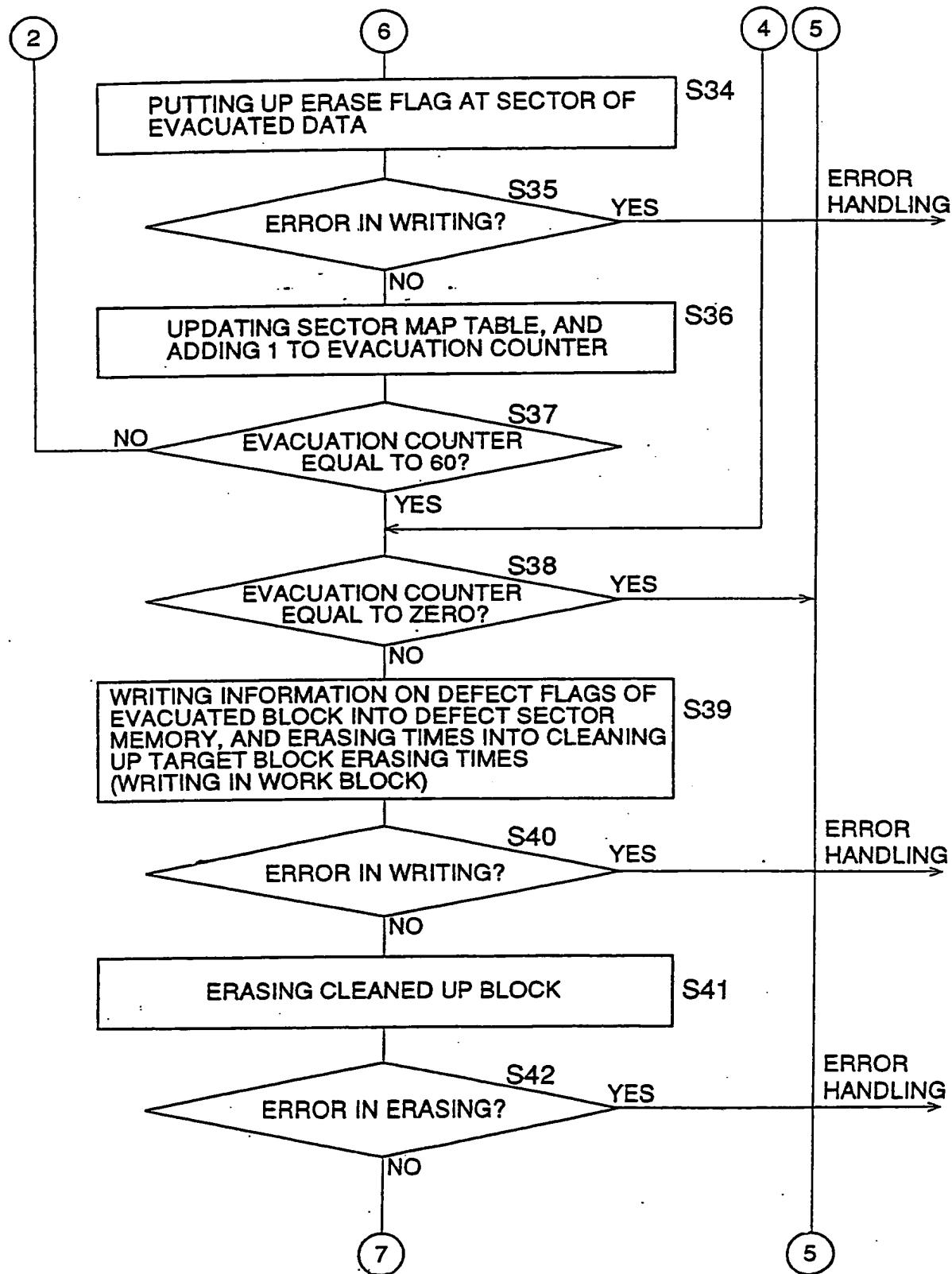
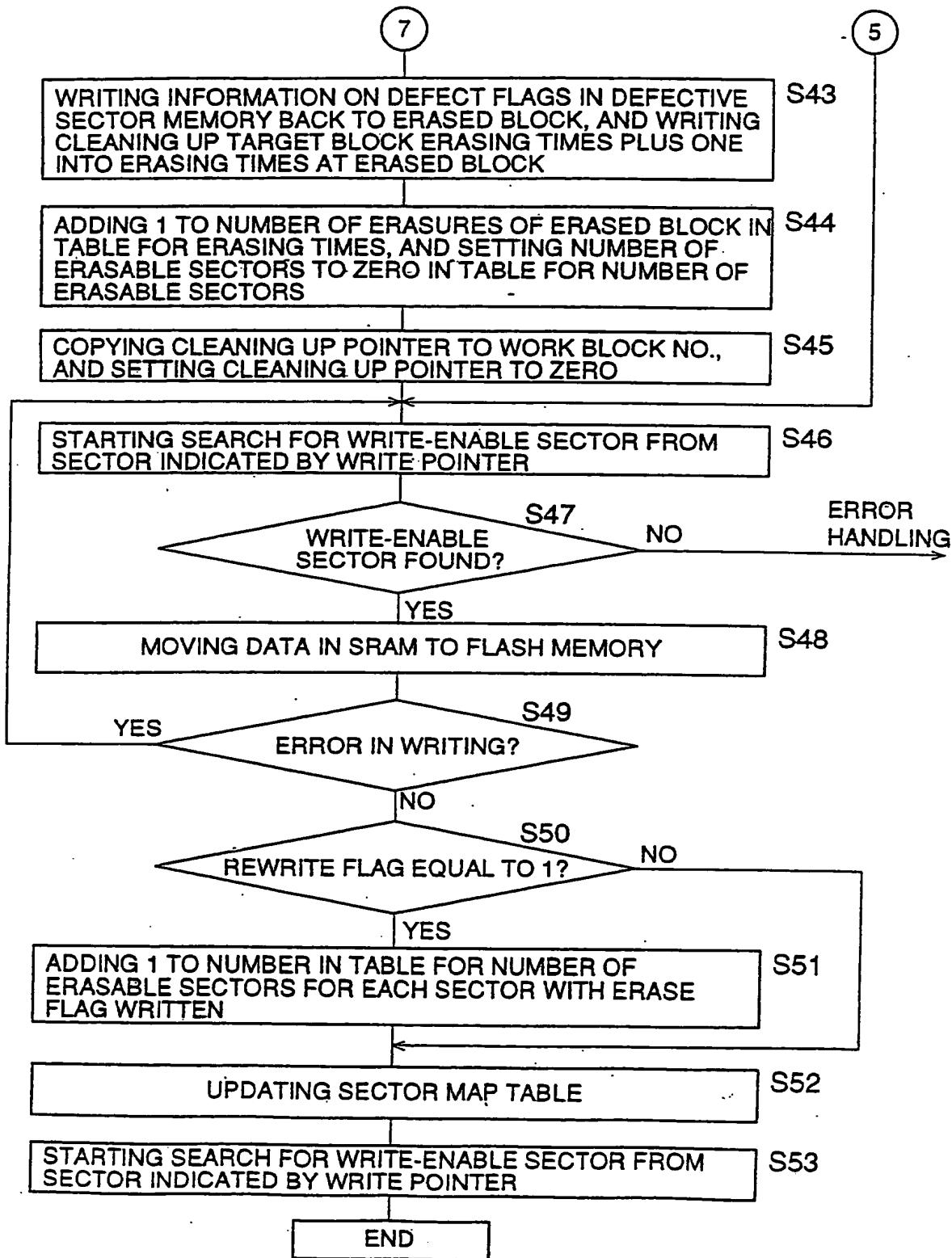
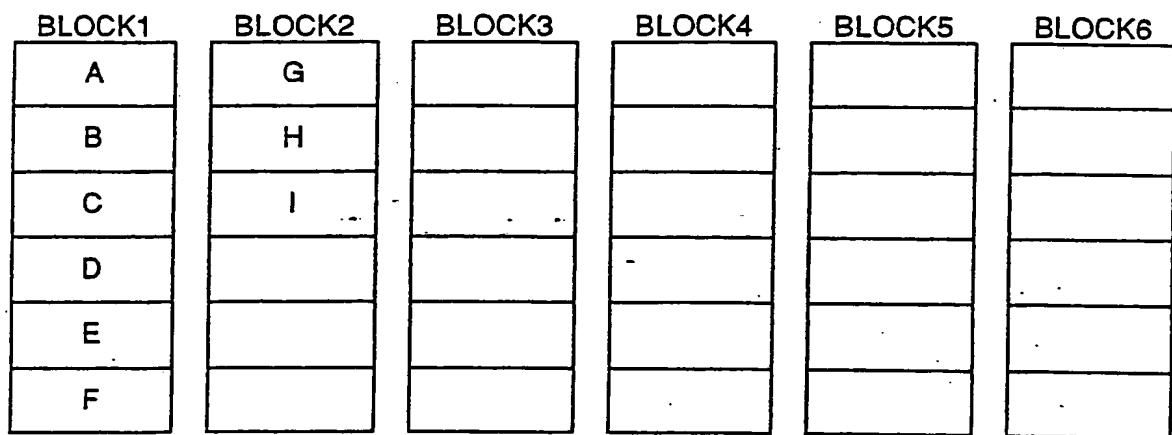


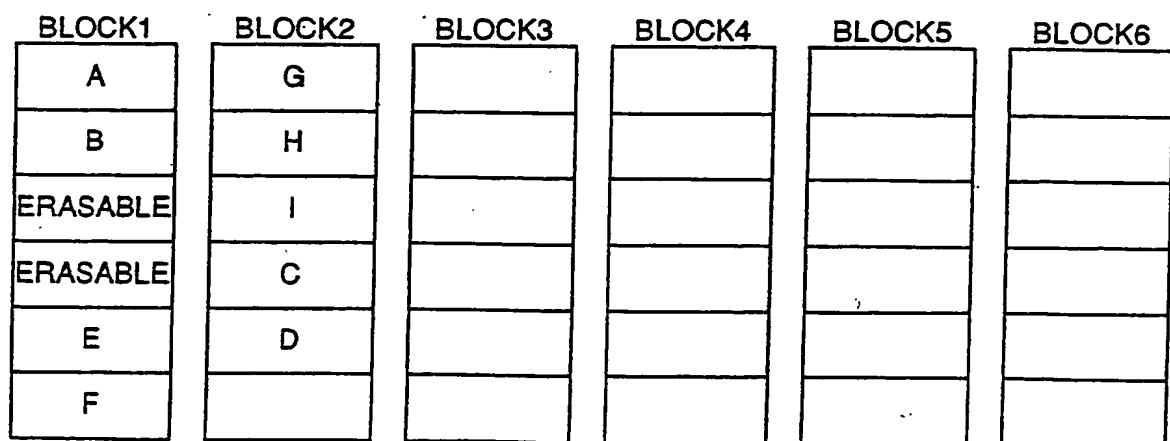
FIG.9



## FIG.10A



## FIG.10B



**FIG.10C**

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A	G	K			
B	H	L			
ERASABLE	I	M			
ERASABLE	C	N			
E	D	O			
F	J				

**FIG.10D**

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A	G	ERASABLE	I		
B	ERASABLE	ERASABLE	J		
ERASABLE	ERASABLE	ERASABLE	K		
ERASABLE	C	ERASABLE	L		
E	D	ERASABLE	M		
F	ERASABLE	H	N		

FIG.10E

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A	G			O	H
B	ERASABLE			I	J
ERASABLE	ERASABLE			K	L
ERASABLE				M	N
E	C				
D	D				
F	ERASABLE				

FIG.10F

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A	G			O	H
B	ERASABLE			I	J
ERASABLE	ERASABLE			K	L
ERASABLE	ERASABLE			M	N
E	ERASABLE			C	D
F	ERASABLE				

## FIG.10G

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A	G			O	ERASABLE
B	ERASABLE				J
ERASABLE	ERASABLE			K	L
ERASABLE	ERASABLE			M	N
E	ERASABLE			C	H
F	ERASABLE			D	I

## FIG.10H

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A		G	J	O	
B		L	N	ERASABLE	
ERASABLE		H	I	K	
ERASABLE				M	
E				C	
F				D	

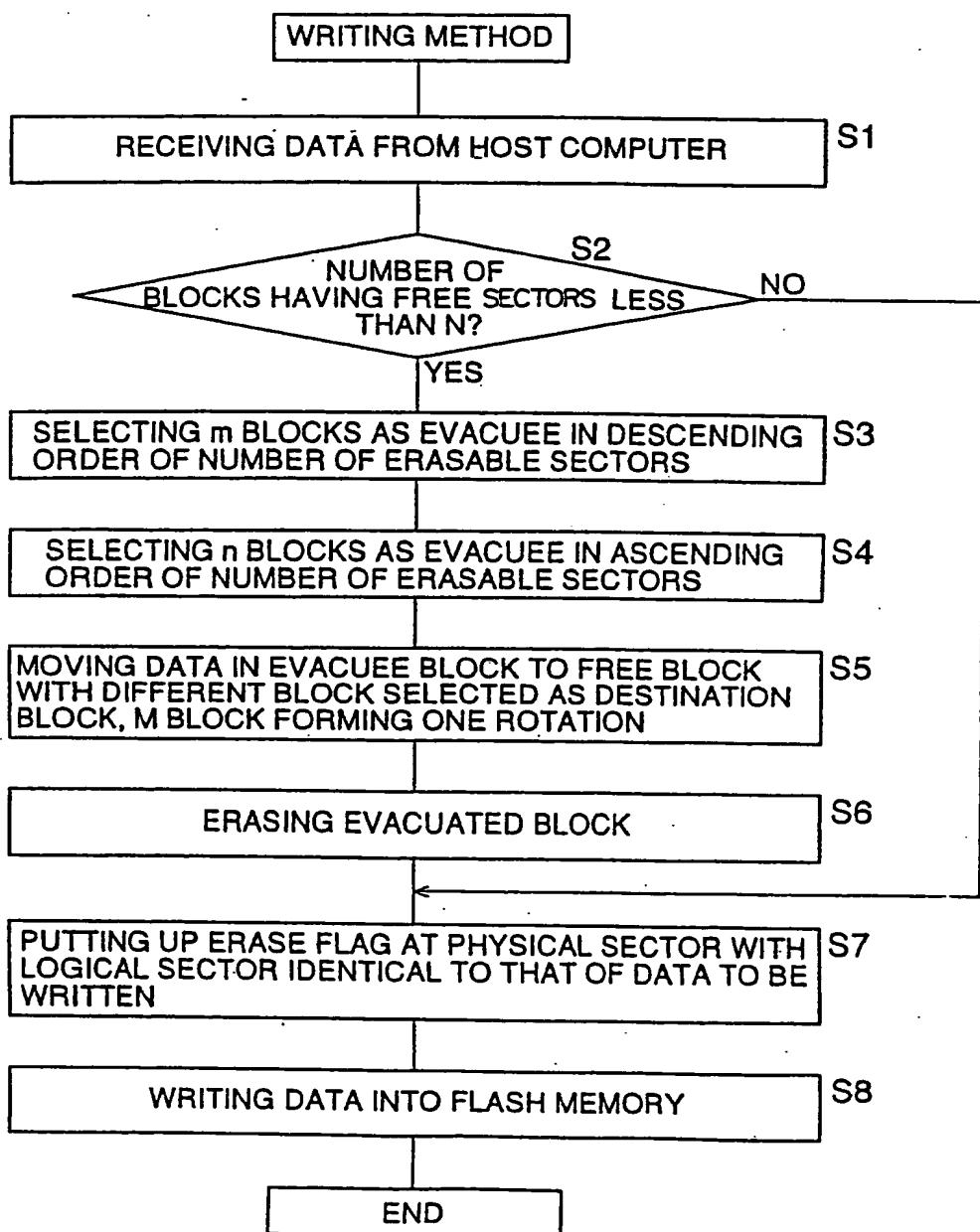
FIG.10I

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A		G		O	
B		L	N	ERASABLE	
ERASABLE		H	I	K	
ERASABLE		J		M	
E				C	
F				D	

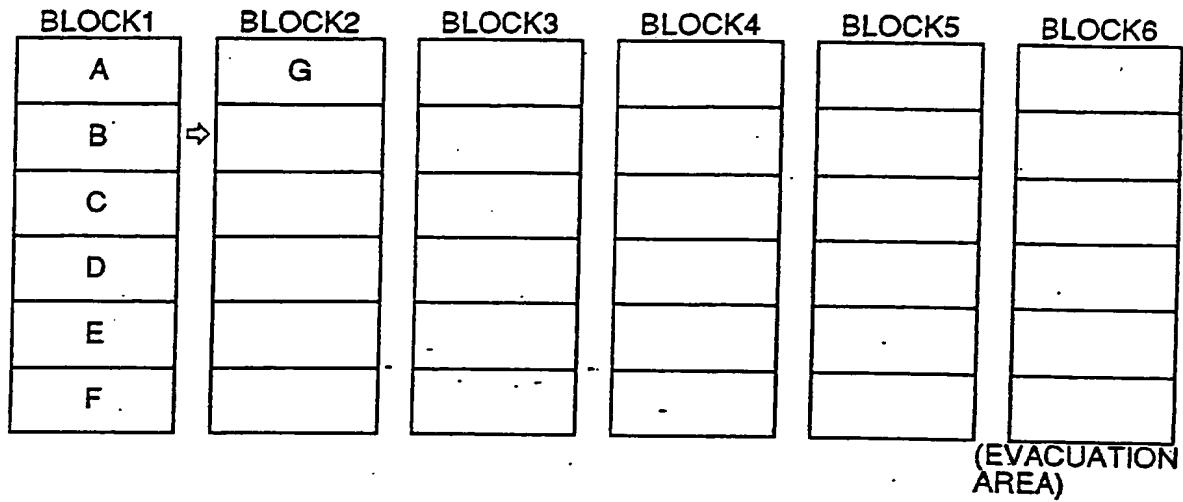
FIG.10J

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A		L	N	O	
B		H	I	ERASABLE	
ERASABLE		J	G	K	
ERASABLE		E		M	
ERASABLE		F		C	
ERASABLE				D	

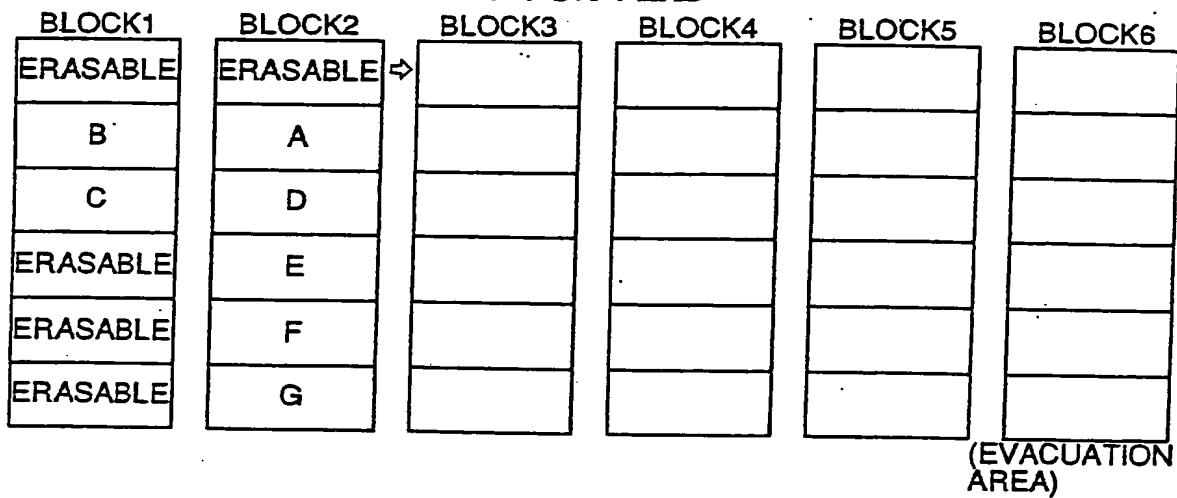
FIG.11



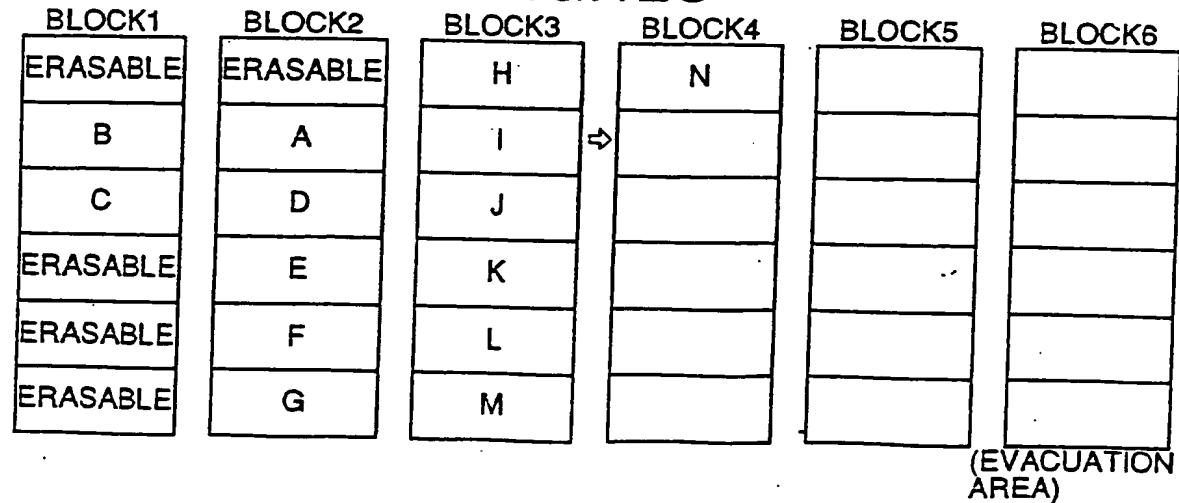
### FIG.12A



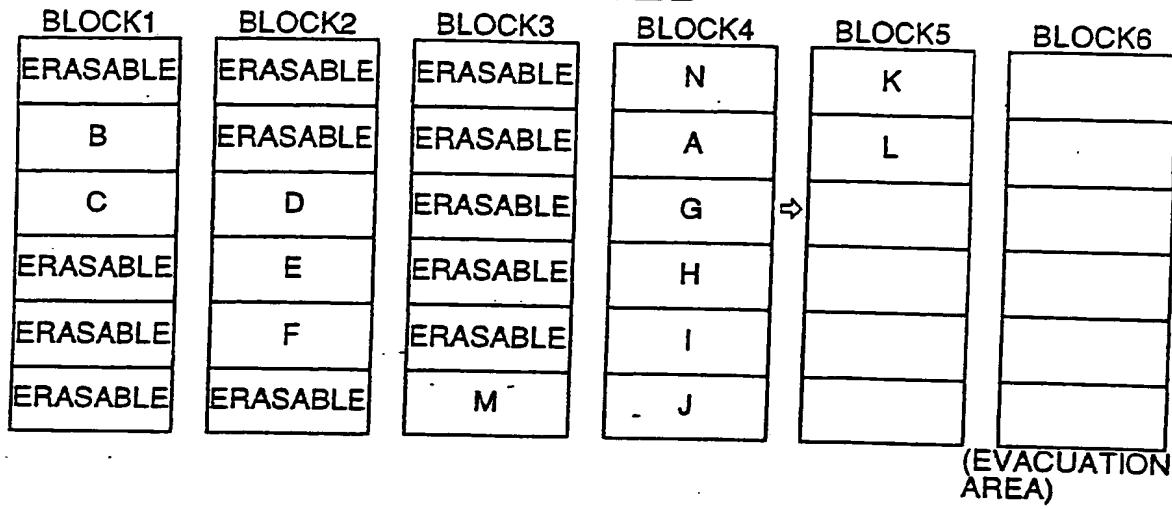
### FIG.12B



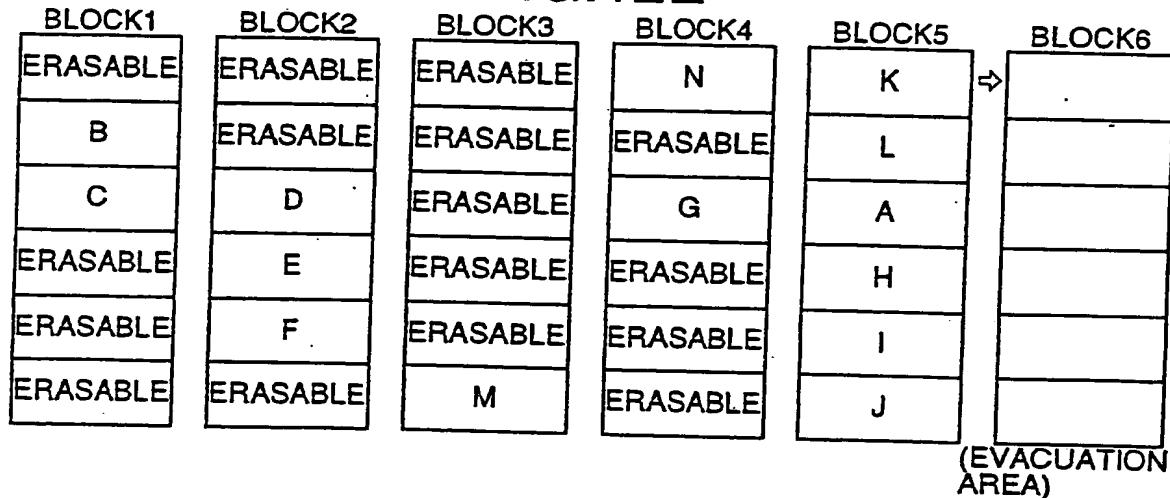
### FIG.12C



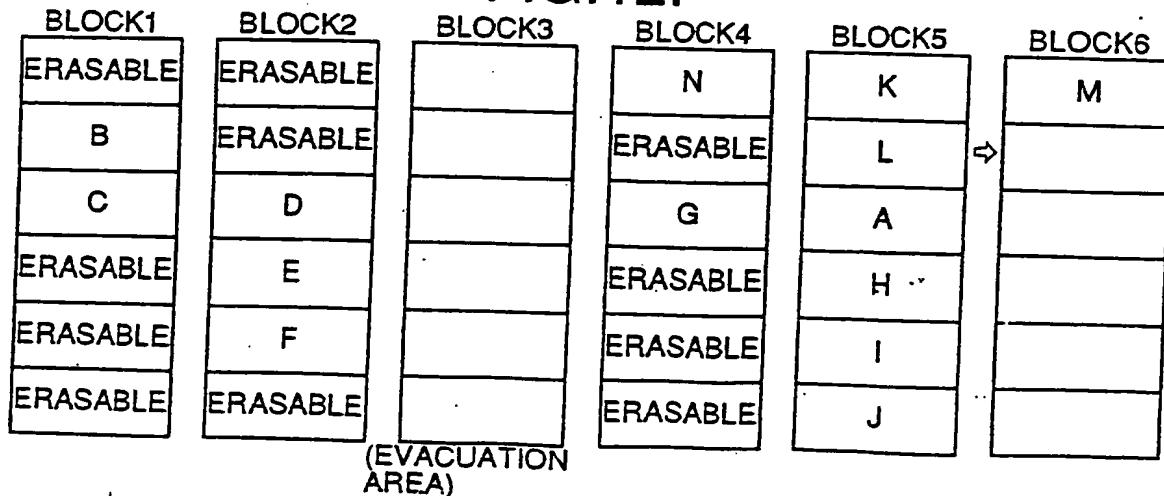
### FIG.12D



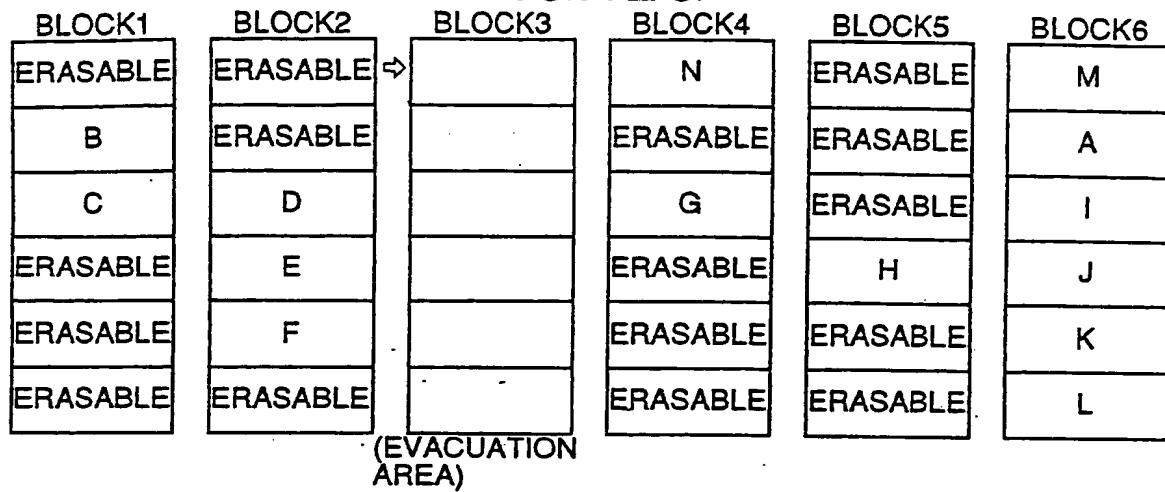
### FIG.12E



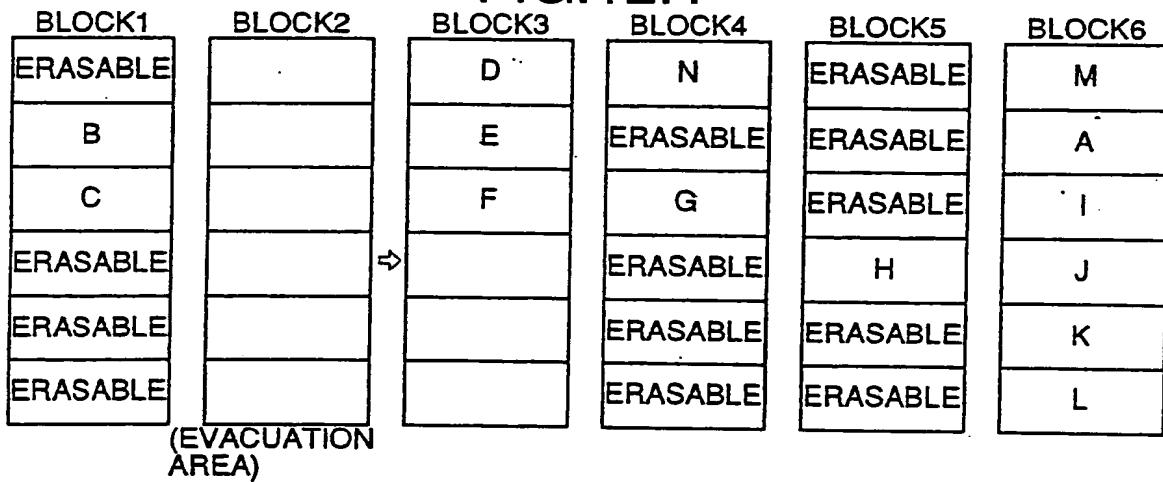
### FIG.12F



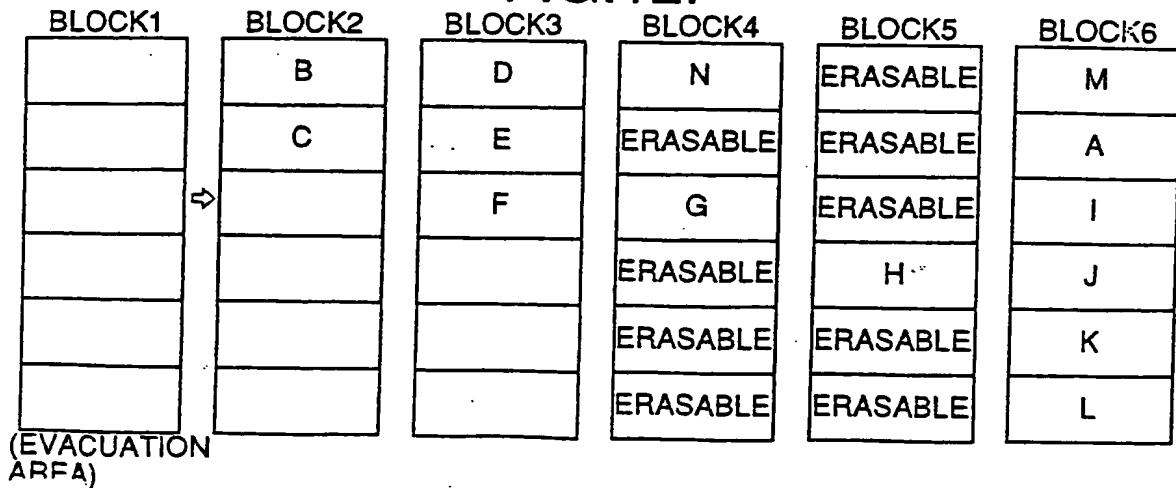
### FIG.12G



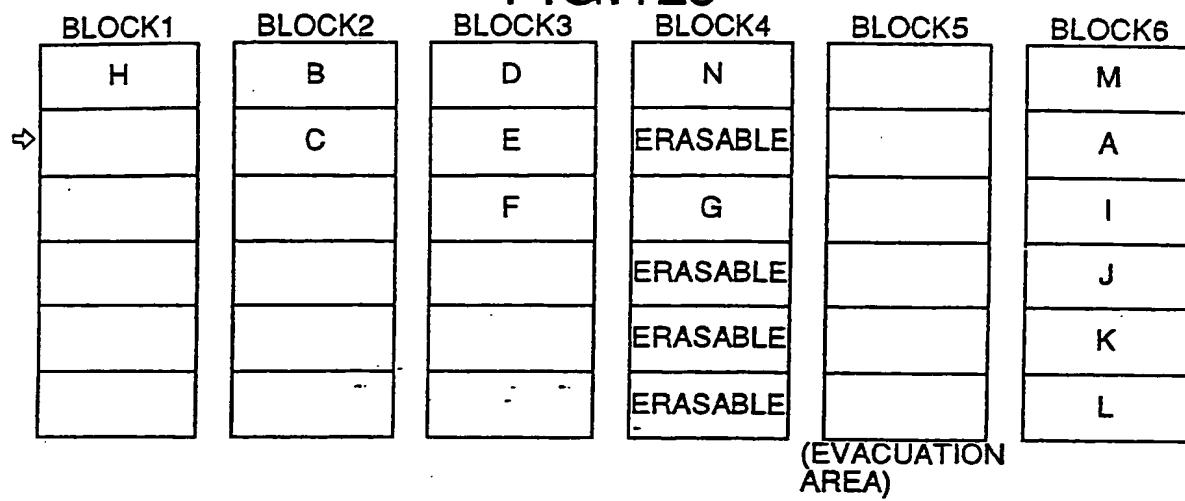
### FIG.12H



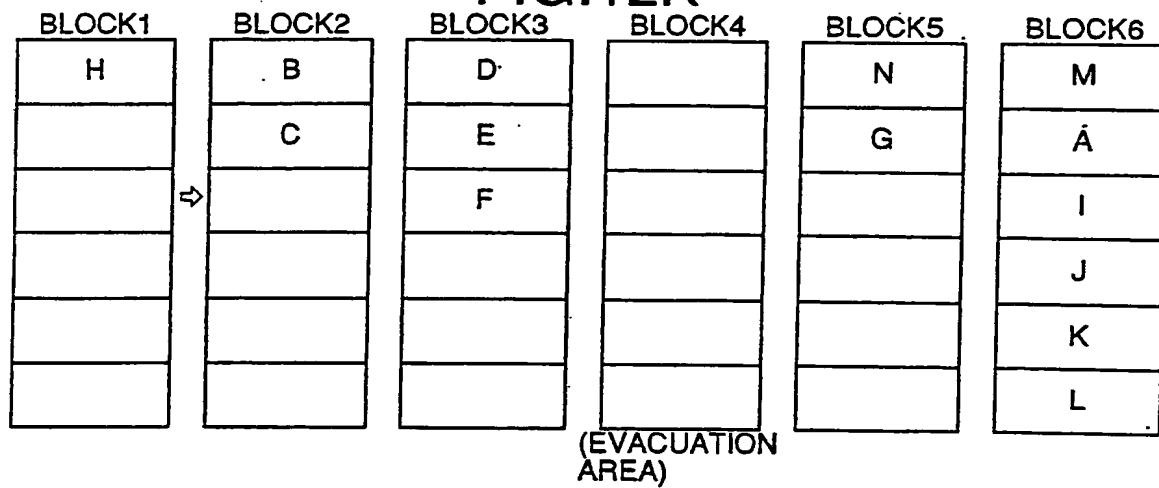
### FIG.12I



**FIG.12J**



**FIG.12K**



**FIG.12L**

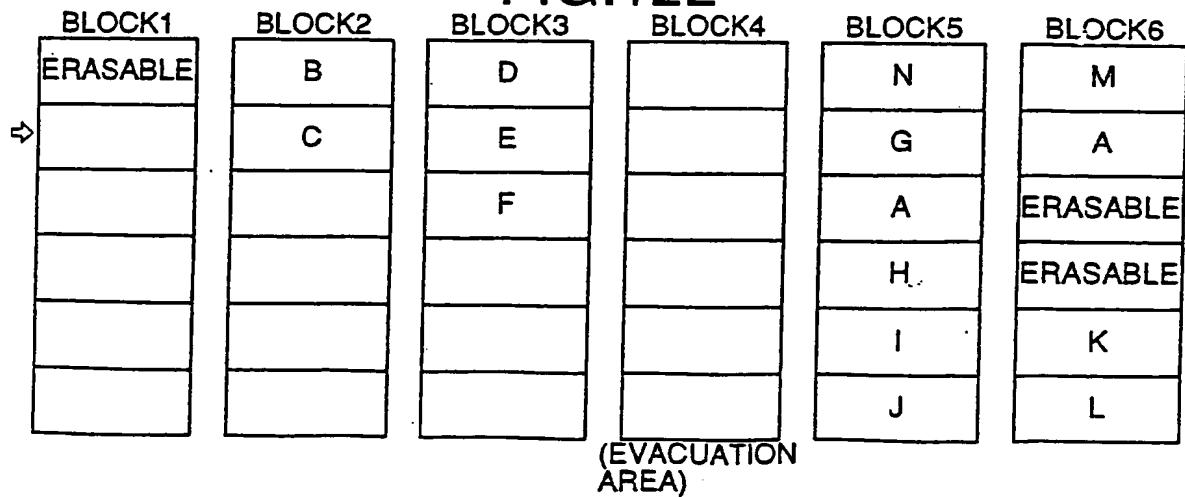


FIG.13

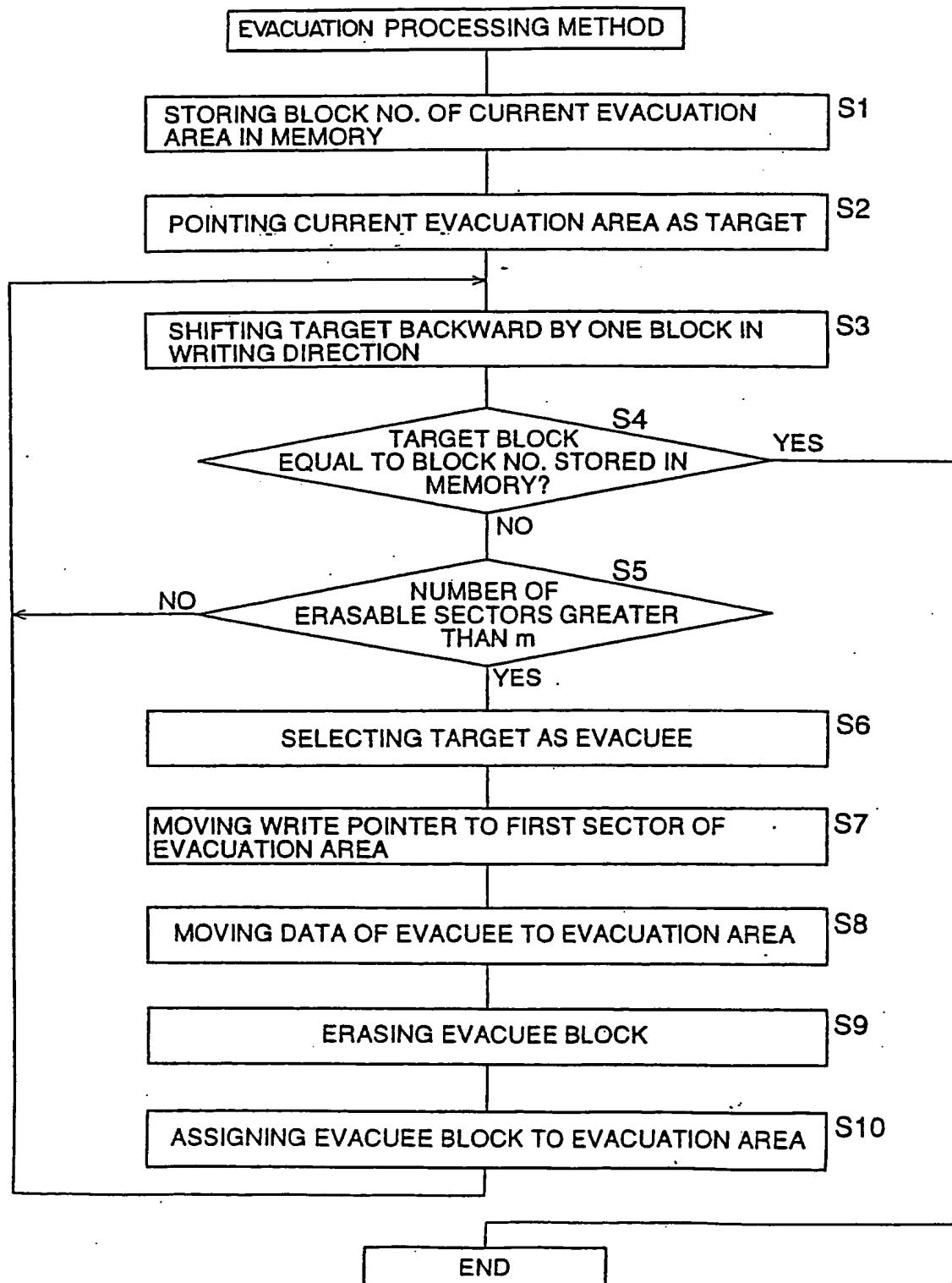


FIG.14A

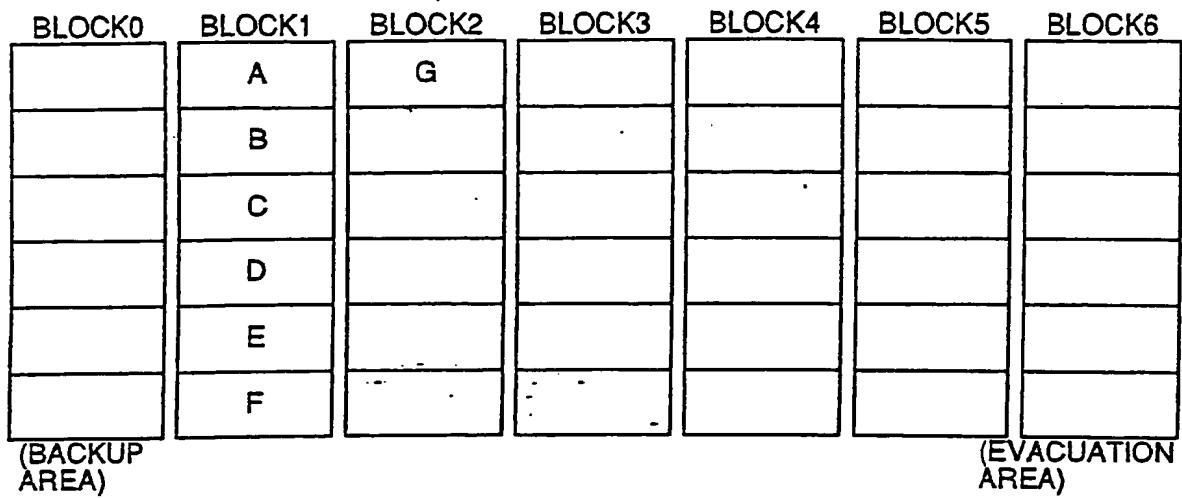


FIG.14B

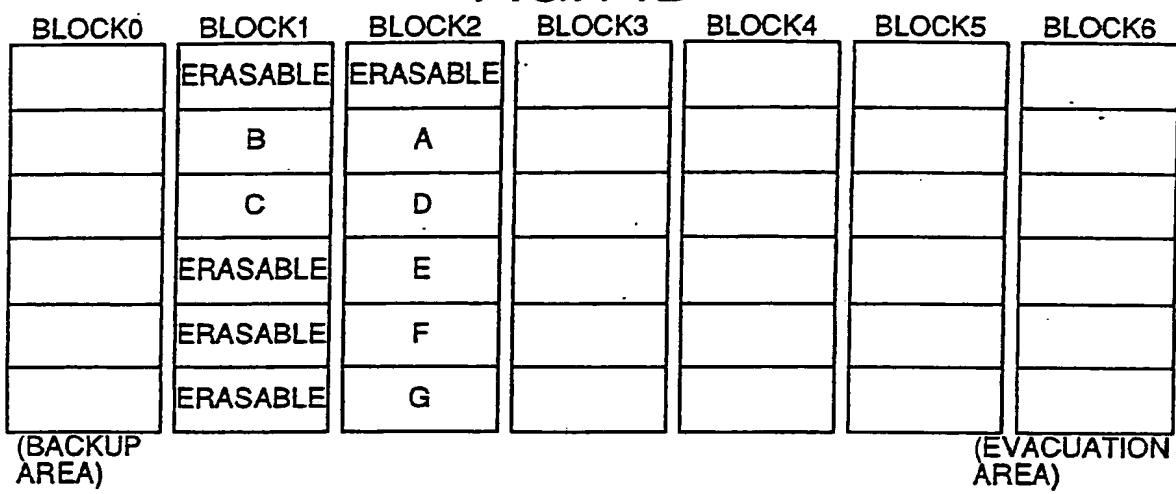
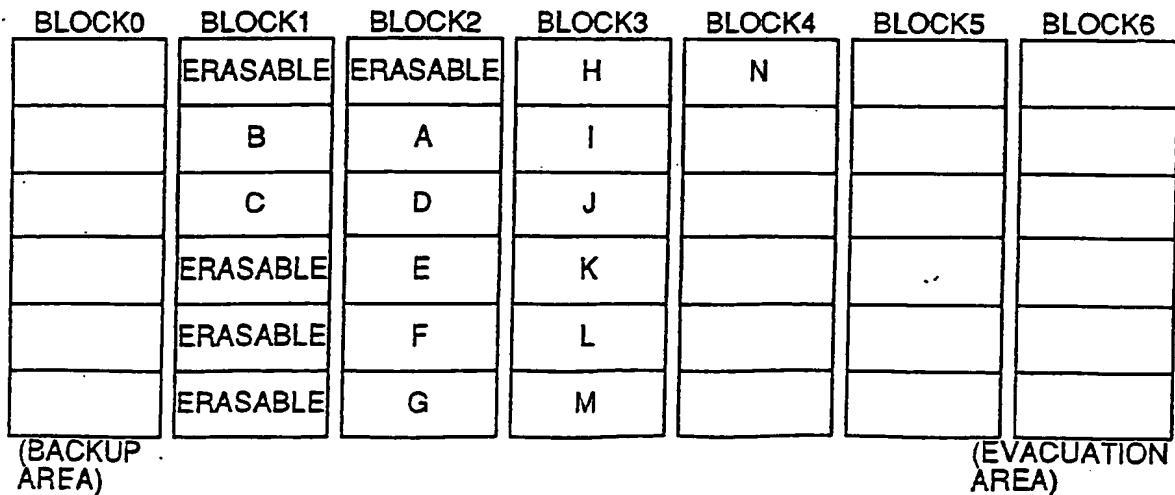


FIG.14C



## FIG.14D

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	ERASABLE	ERASABLE	ERASABLE	N	K	
	B	ERASABLE	ERASABLE	A	L	
	C	D	ERASABLE	G		
	ERASABLE	E	ERASABLE	H		
	ERASABLE	F	ERASABLE	I		
	ERASABLE	G	M	J		

(BACKUP AREA) (EVACUATION AREA)

## FIG.14E

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	ERASABLE	ERASABLE	ERASABLE	N	K	
	B	ERASABLE	ERASABLE	ERASABLE	L	
	C	D	ERASABLE	G	A	
	ERASABLE	E	ERASABLE	ERASABLE	H	
	ERASABLE	F	ERASABLE	ERASABLE	I	
	ERASABLE	ERASABLE	M	ERASABLE	J	

(BACKUP AREA) (EVACUATION AREA)

FIG.14F

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	ERASABLE	ERASABLE		N	K	M
	B	ERASABLE		ERASABLE	L	
	C	D		G	A	
	ERASABLE	E		ERASABLE	H	
	ERASABLE	F		ERASABLE	I	
	ERASABLE	ERASABLE		ERASABLE	J	
(BACKUP AREA)		(EVACUATION AREA)				

FIG.14G

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	ERASABLE	ERASABLE		N	ERASABLE	M
	B	ERASABLE		ERASABLE	ERASABLE	A
	C	D		G	ERASABLE	I
	ERASABLE	E		ERASABLE	H	J
	ERASABLE	F		ERASABLE	ERASABLE	K
	ERASABLE	ERASABLE		ERASABLE	ERASABLE	L
(BACKUP AREA)		(EVACUATION AREA)				

FIG.14H

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	ERASABLE	ERASABLE	H	N		M
	B	ERASABLE		ERASABLE		A
	C	D		G		I
	ERASABLE	E		ERASABLE		J
	ERASABLE	F		ERASABLE		K
	ERASABLE	ERASABLE		ERASABLE		L
(BACKUP AREA)		(EVACUATION AREA)				

FIG.14I

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
B		ERASABLE	H	N		M
C		ERASABLE		ERASABLE		A
		D		G		I
		E		ERASABLE		J
		F		ERASABLE		K
		ERASABLE		ERASABLE		L
(BACKUP AREA)		(EVACUATION AREA)			(UNABLE TO BE USED)	

FIG.14J

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
		ERASABLE	H	N		M
		ERASABLE	B	ERASABLE		A
		D	C	G		I
		E		ERASABLE		J
		F		ERASABLE		K
		ERASABLE		ERASABLE		L
(BACKUP AREA)		(EVACUATION AREA)			(UNABLE TO BE USED)	

FIG.14K

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
		ERASABLE	H	ERASABLE		ERASABLE
		ERASABLE	B	ERASABLE		ERASABLE
		D	C	G		I
		E	A	ERASABLE		J
		F	M	ERASABLE		K
		ERASABLE	N	ERASABLE		L
(BACKUP AREA)		(EVACUATION AREA)			(UNABLE TO BE USED)	

FIG.14L

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	G	ERASABLE	H			
		ERASABLE	B			
		D	C			I
		E	A			J
		F	M			K
		ERASABLE	N			L
(BACKUP AREA)		(EVACUATION AREA)		(UNABLE TO BE USED)		

FIG.14M

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	ERASABLE	ERASABLE	ERASABLE			
	A	ERASABLE	B			
	G	D	C			I
	H	E	ERASABLE			J
	O	F	M			K
	P	ERASABLE	N			L
(BACKUP AREA)		(EVACUATION AREA)		(UNABLE TO BE USED)		

FIG.14N

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	ERASABLE		ERASABLE	D		
	A		B	E		
	G		C	F		I
	H		ERASABLE			J
	O		M			K
	P		N			L
(BACKUP AREA)		(EVACUATION AREA)		(UNABLE TO BE USED)		

FIG.14O

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6	
B	ERASABLE			D		ERASABLE	
C	A			E		ERASABLE	
M	G			F		I	
N	H					J	
	O					K	
	P					L	
(BACKUP AREA)		(UNABLE TO BE USED)		(EVACUATION AREA)		(UNABLE TO BE USED)	

FIG.14P

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6	
B	ERASABLE		K	D			
C	A		L	E			
M	G			F			
N	H						
I	O						
J	P						
(BACKUP AREA)		(UNABLE TO BE USED)		(UNABLE TO BE USED)		(EVACUATION AREA)	

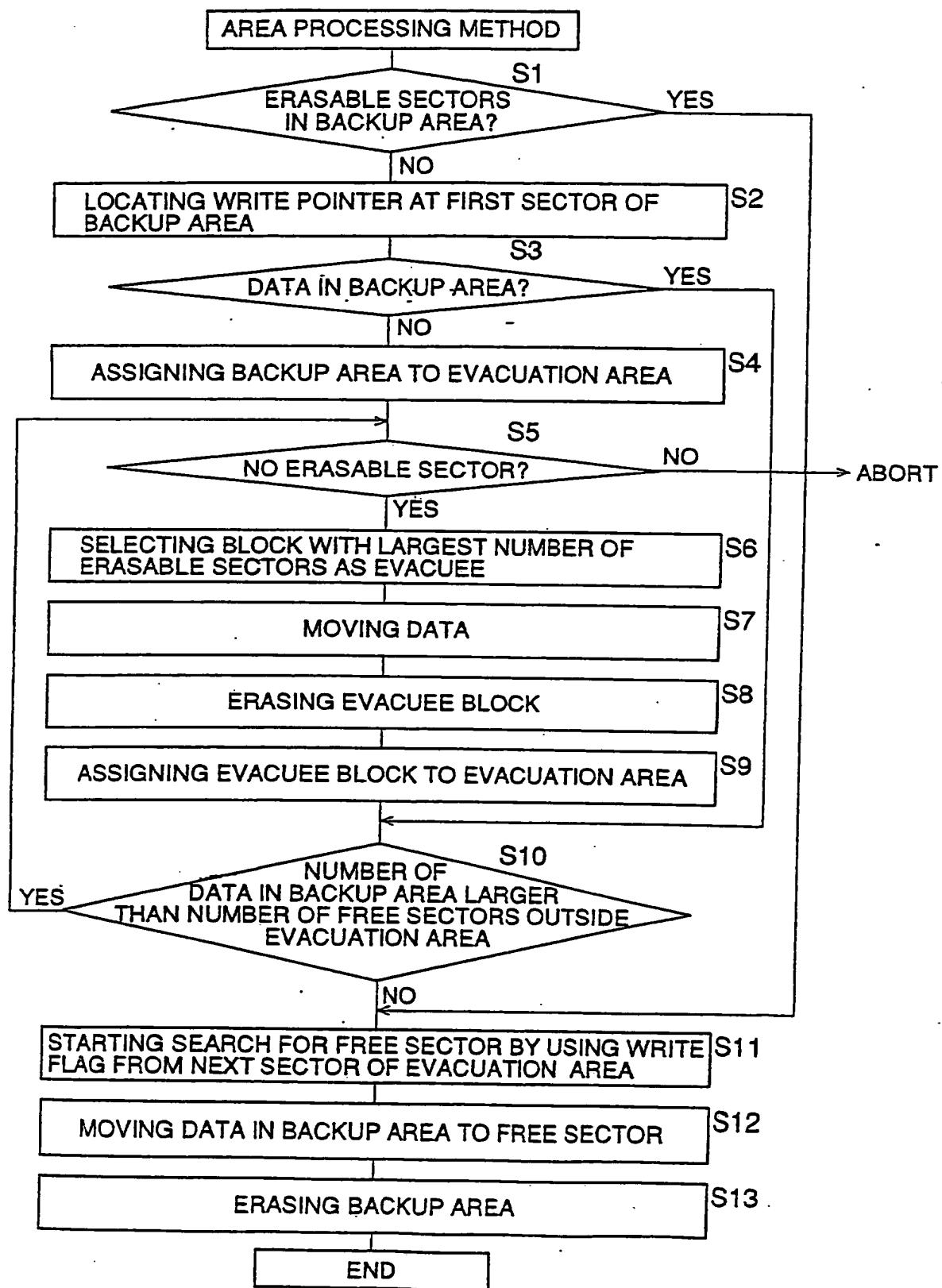
## FIG.14Q

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
ERASABLE	ERASABLE		K	D		
ERASABLE	A		L	E		
ERASABLE	G		B	F		
ERASABLE	H		C			
	O		M			
	P		N			
(BACKUP AREA)		(UNABLE TO BE USED)		(UNABLE (EVACUATION TO BE USED) AREA)		

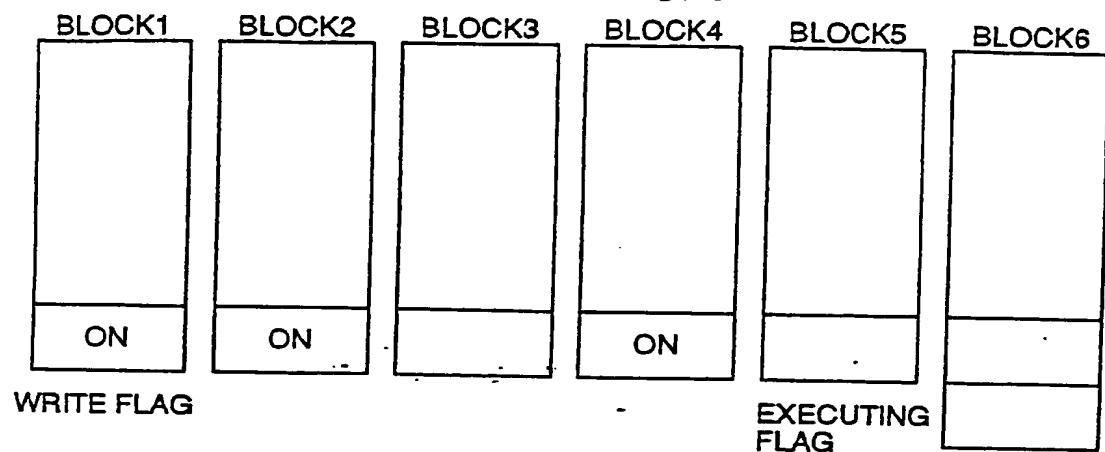
## FIG.14R

BLOCK0	BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
	ERASABLE		K	D		
	A		L	E		
	G		B	F		
	H		C	I		
	O		M	J		
	P		N			
(BACKUP AREA)		(UNABLE TO BE USED)		(UNABLE (EVACUATION TO BE USED) AREA)		

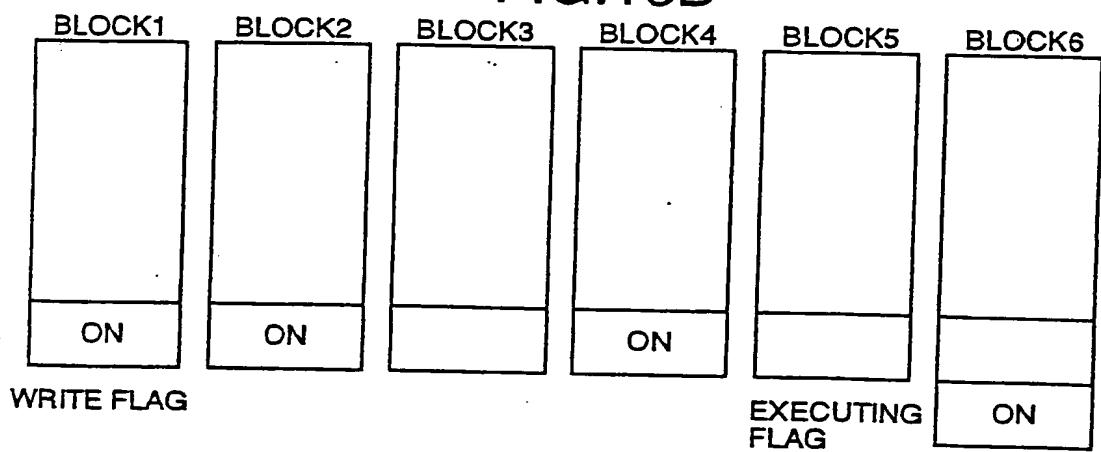
FIG.15



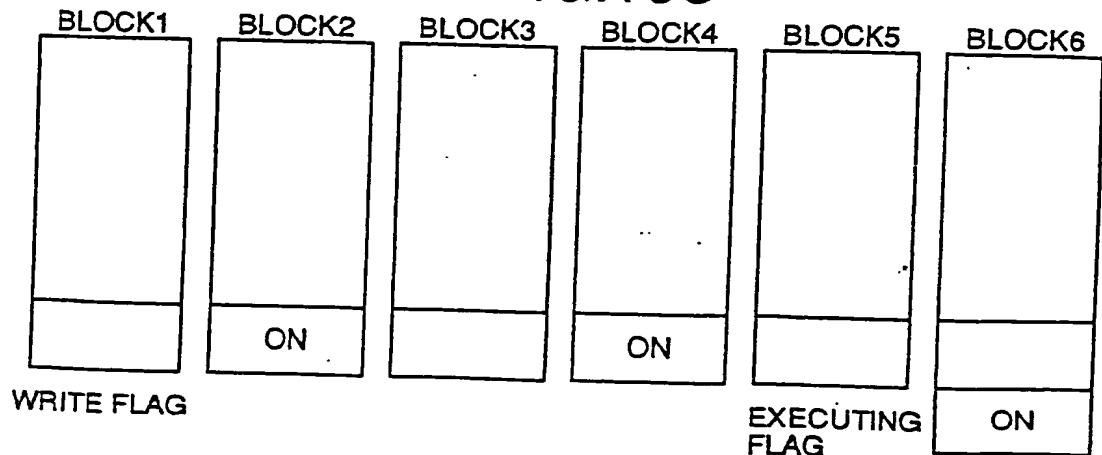
### FIG.16A



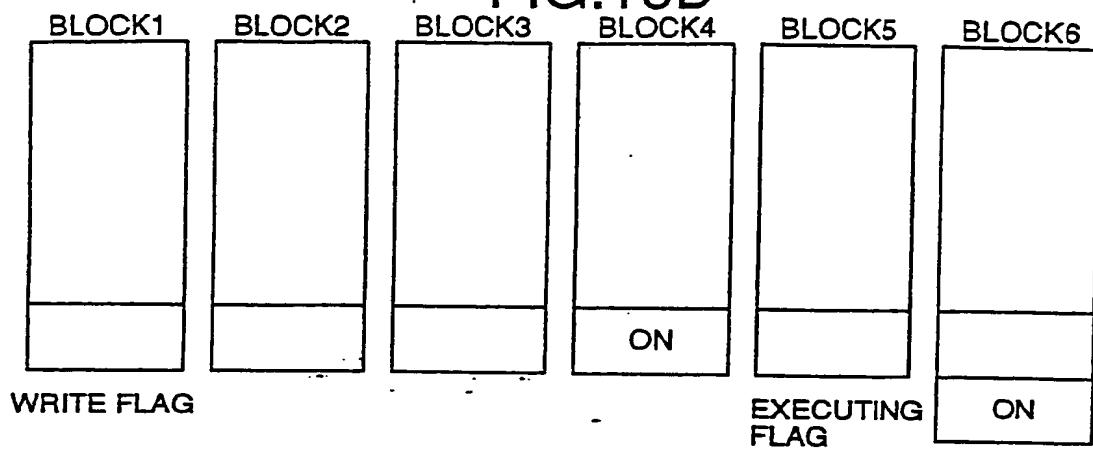
### FIG.16B



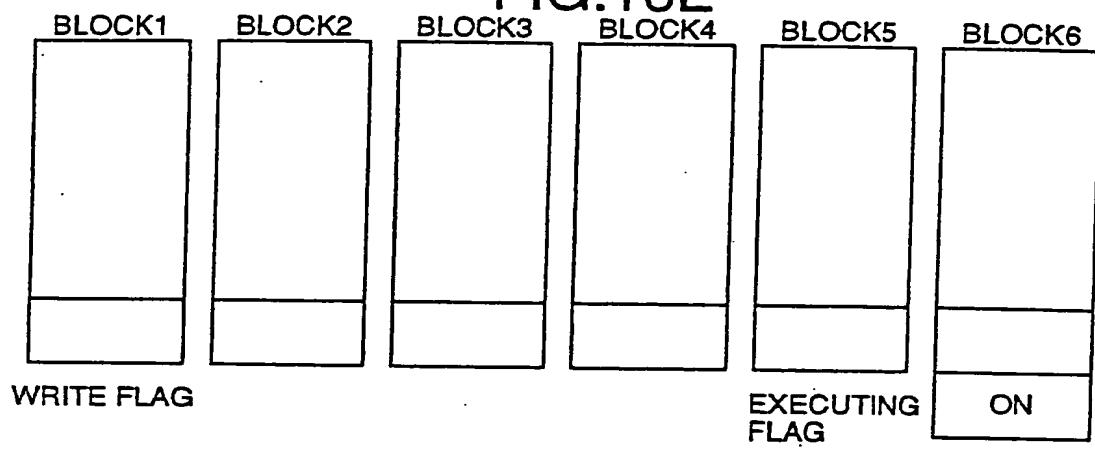
### FIG.16C



**FIG.16D**



**FIG.16E**



**FIG.16F**

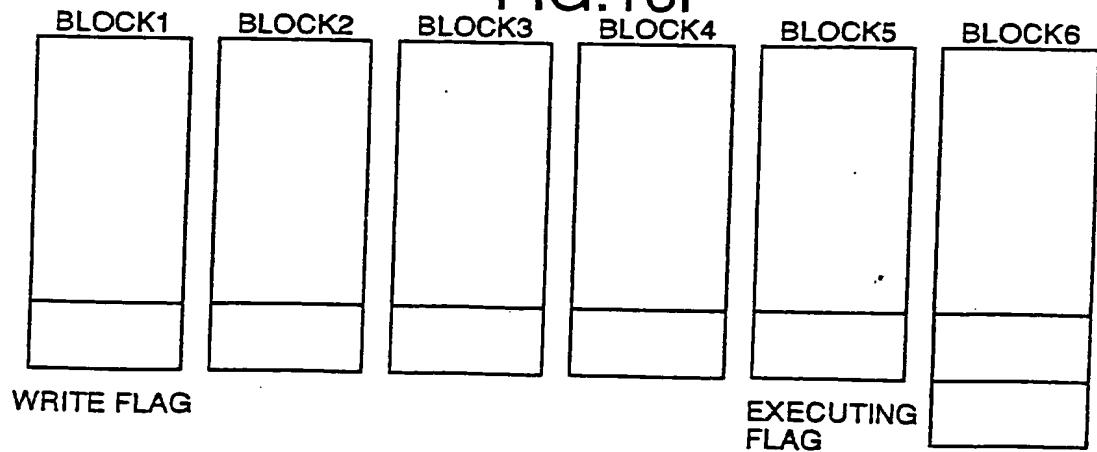


FIG.17

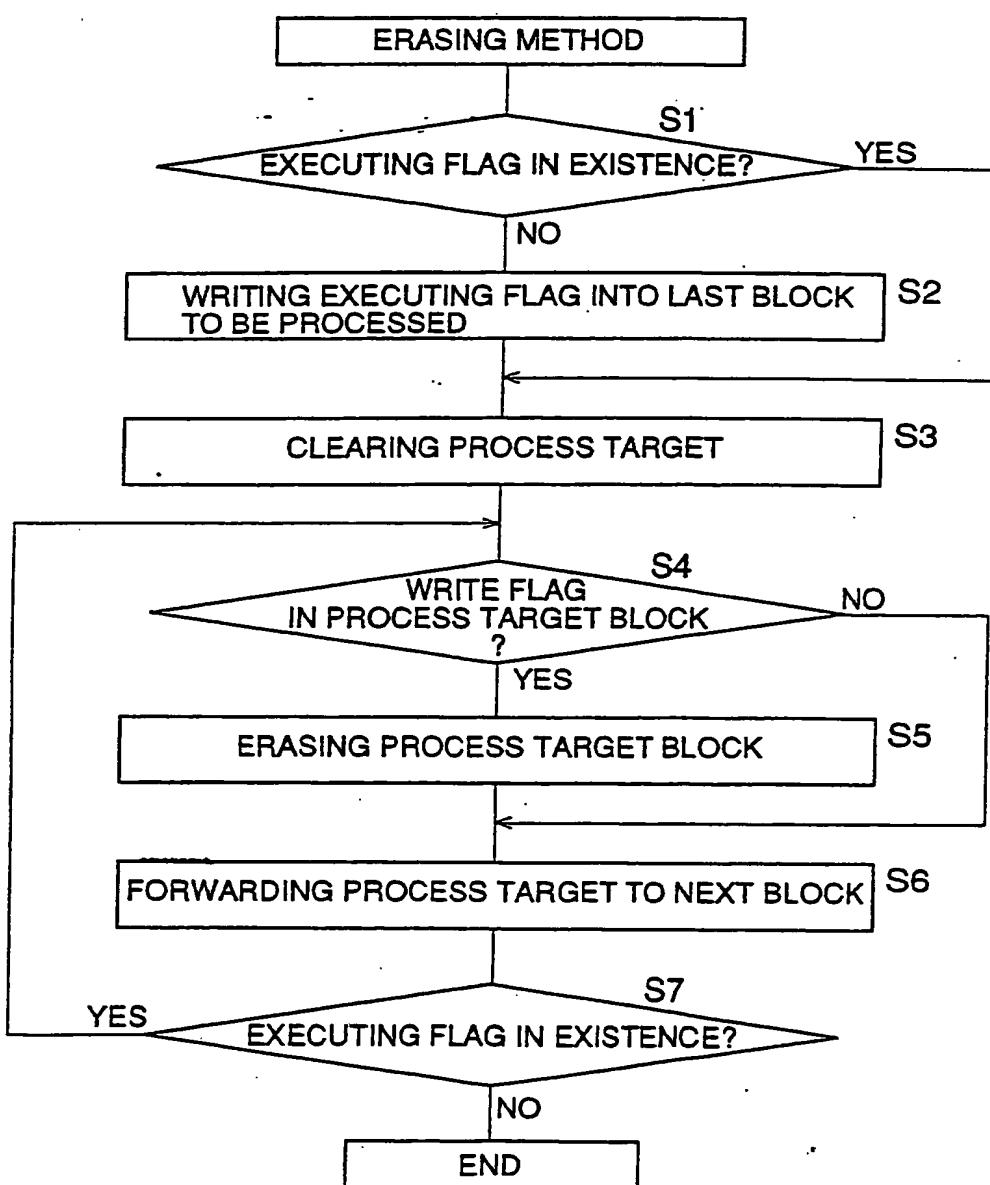


FIG. 18

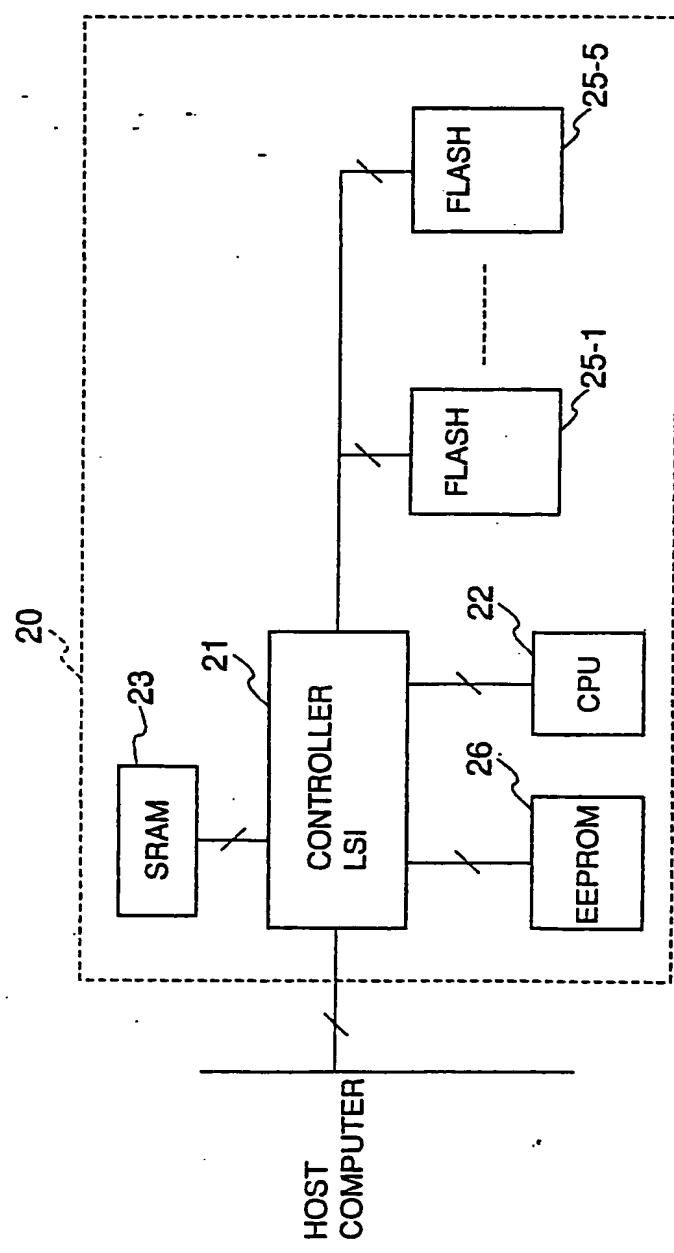


FIG.19A

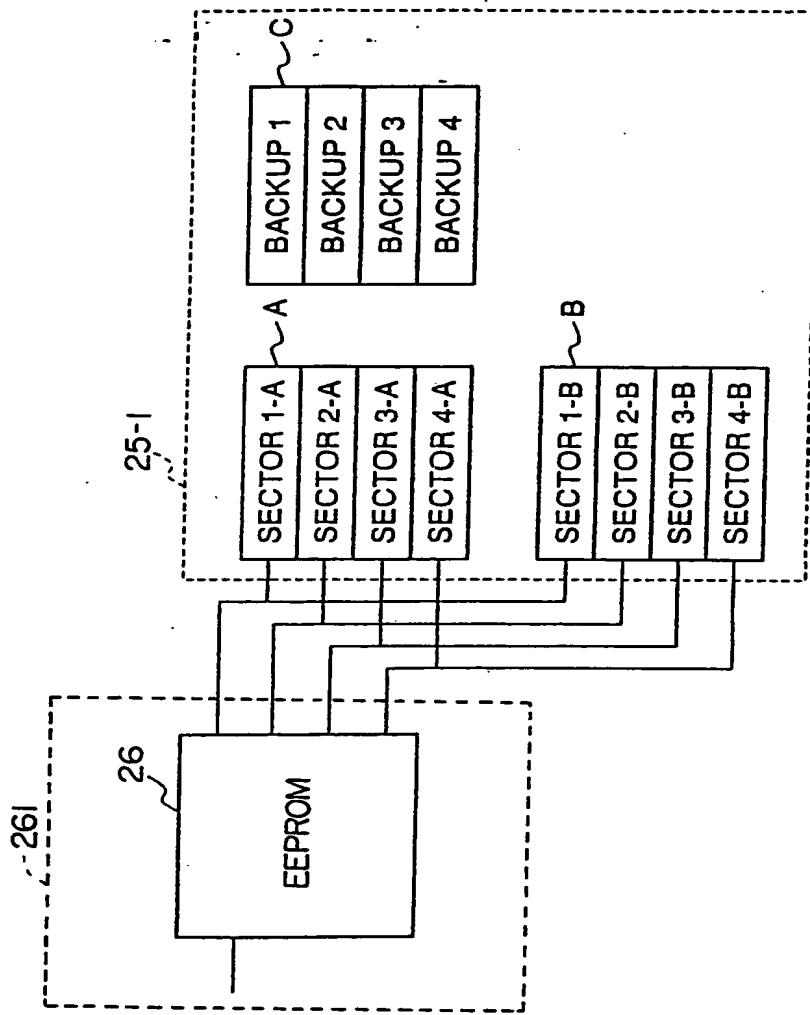


FIG.19B

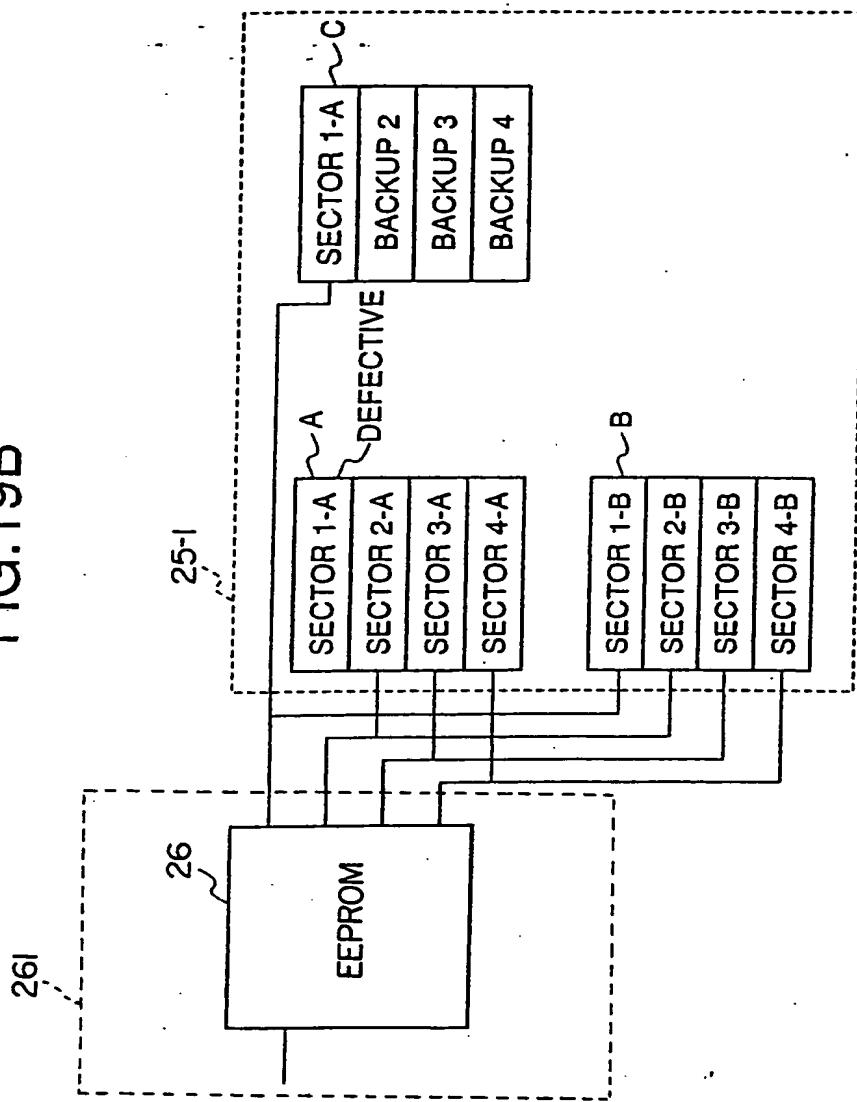


FIG.20A

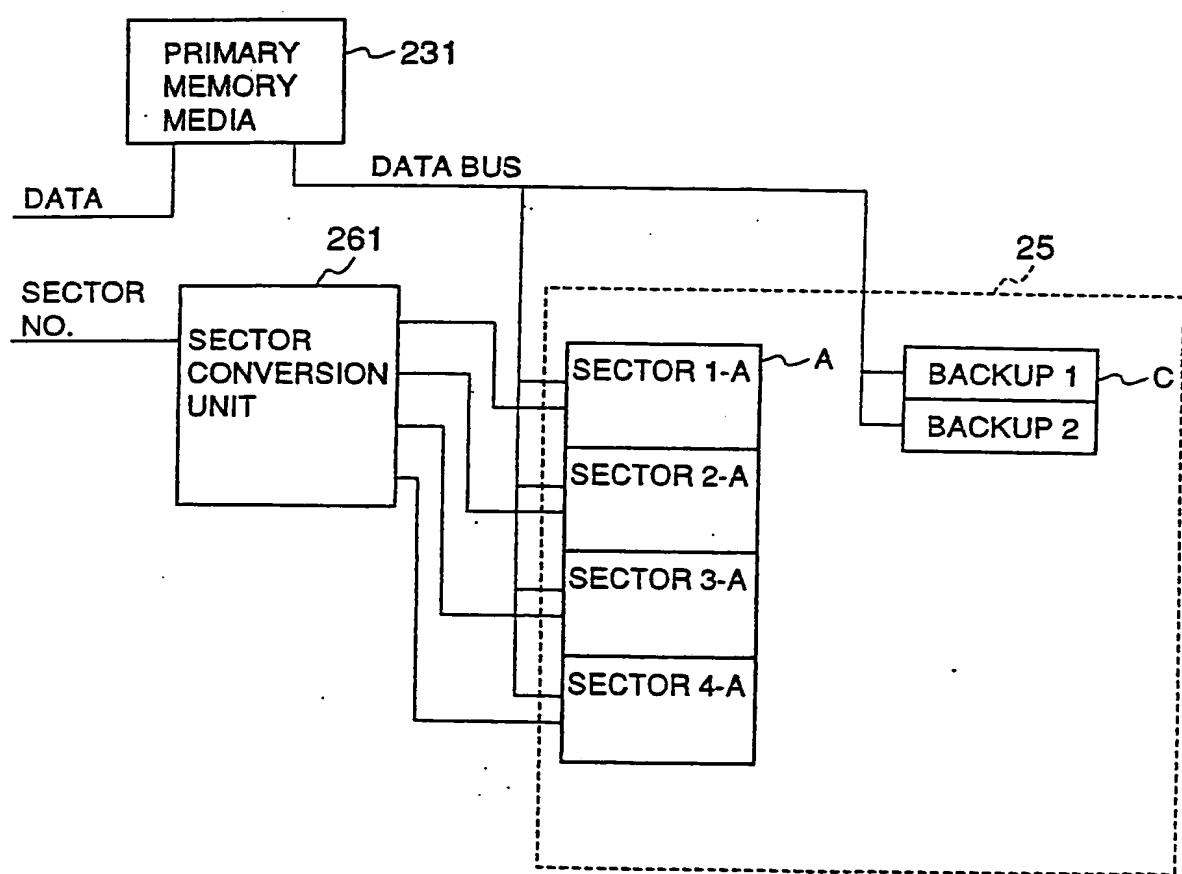


FIG.20B

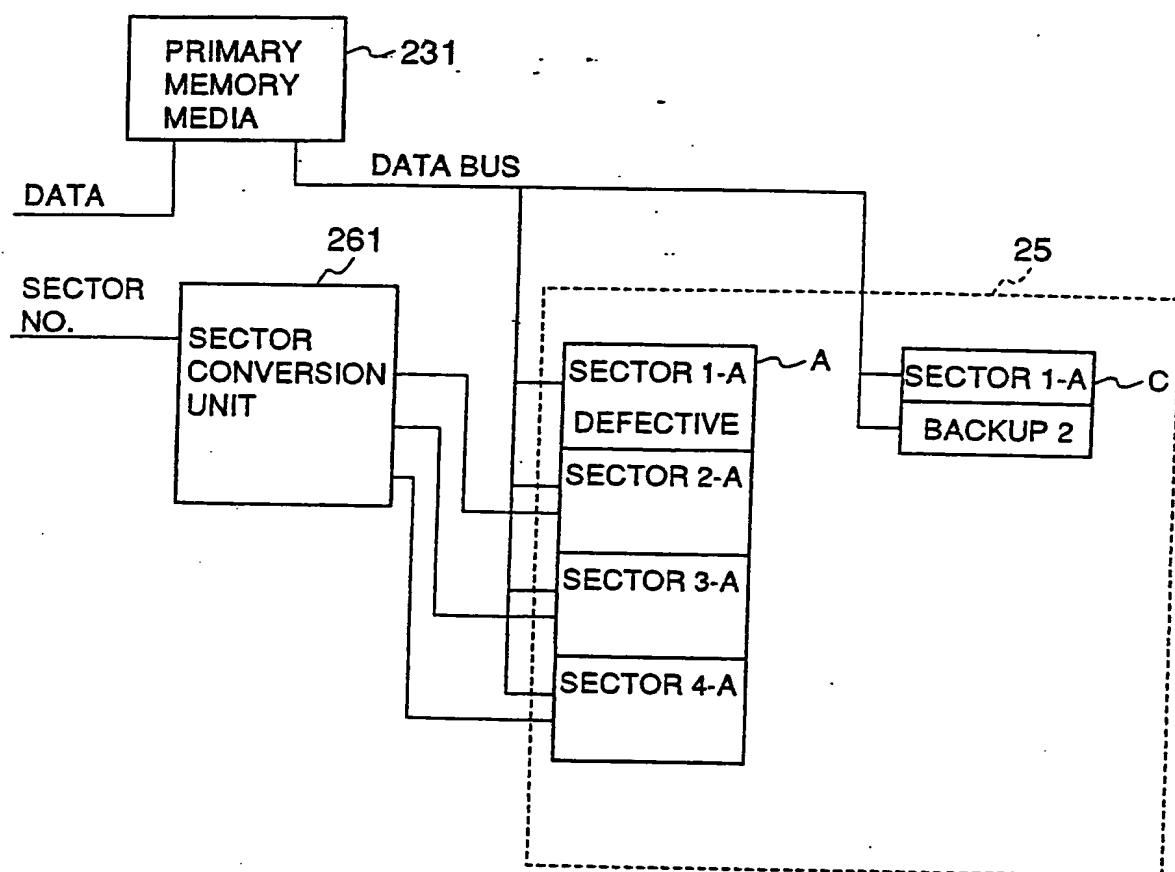


FIG.21A

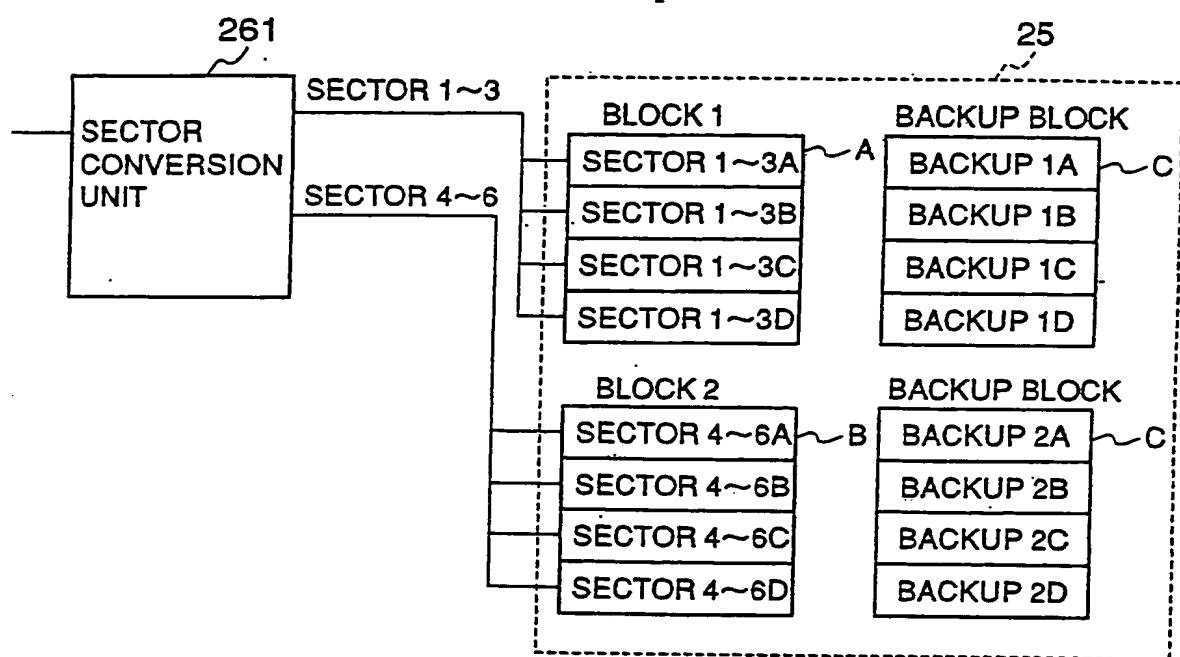


FIG.21B

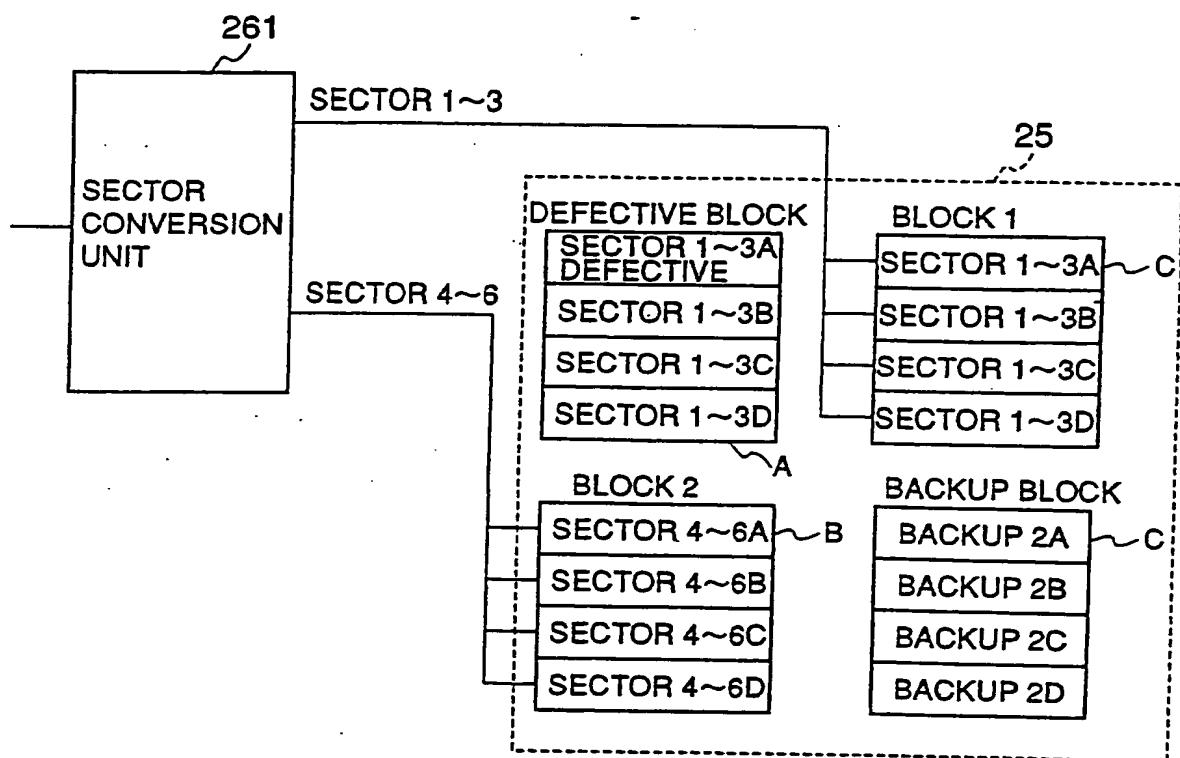


FIG.22A

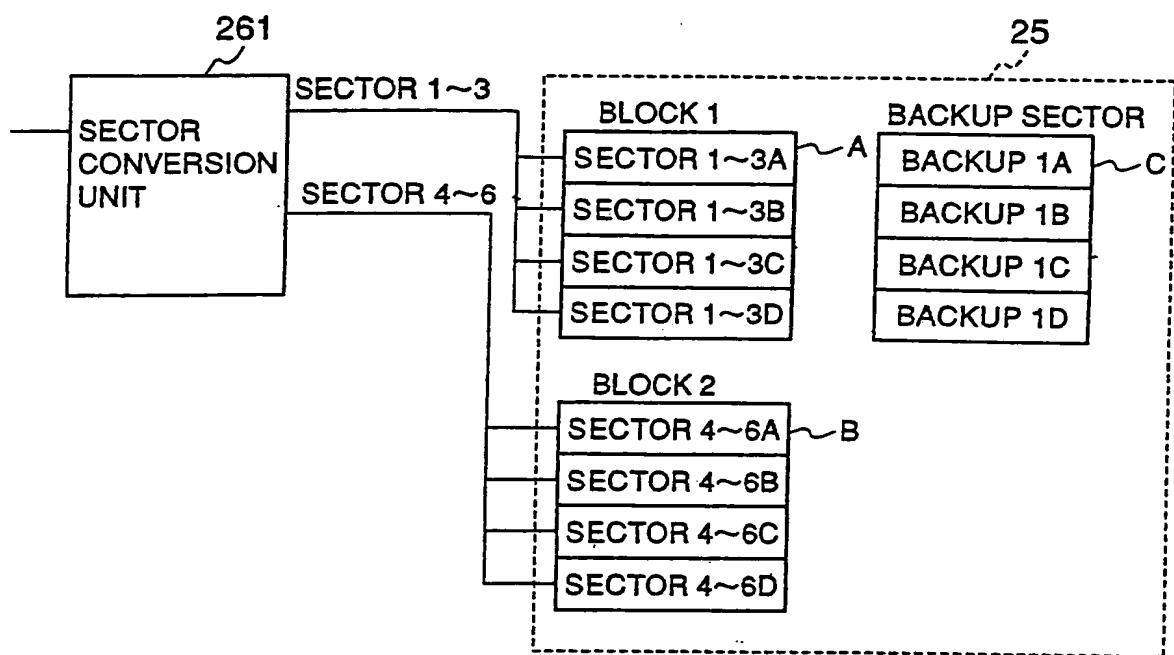


FIG.22B

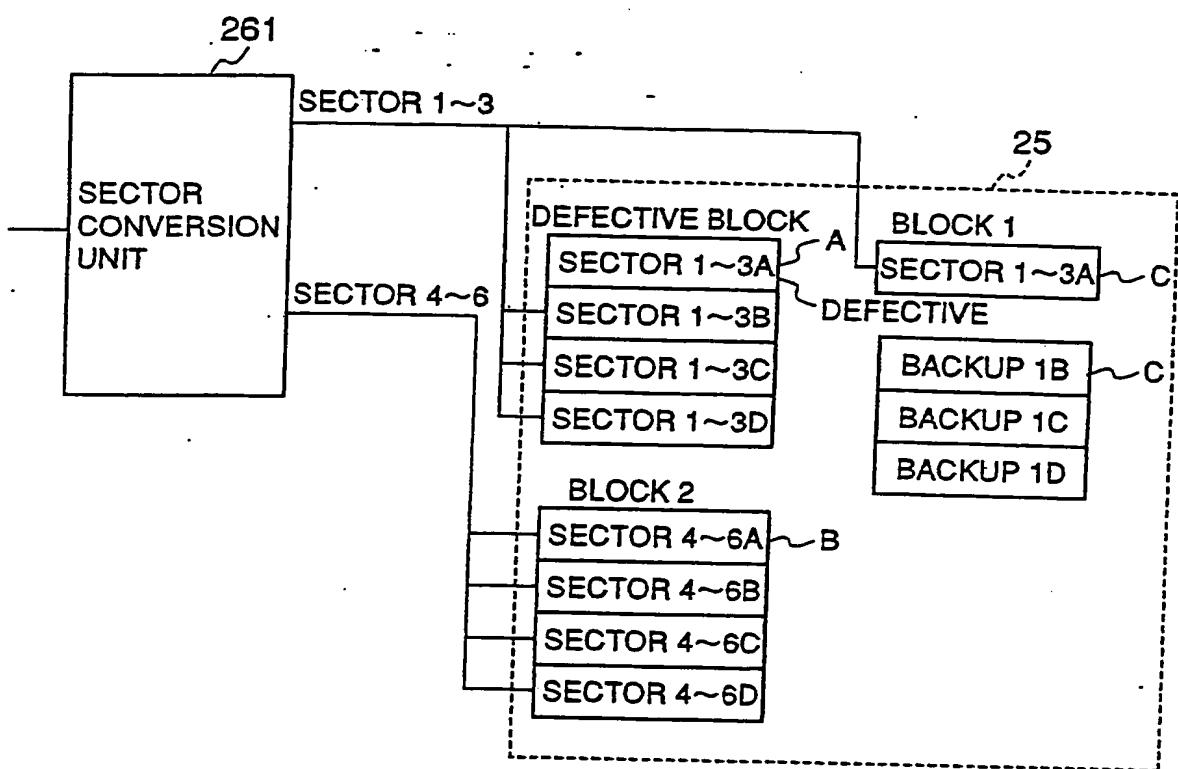


FIG.23A

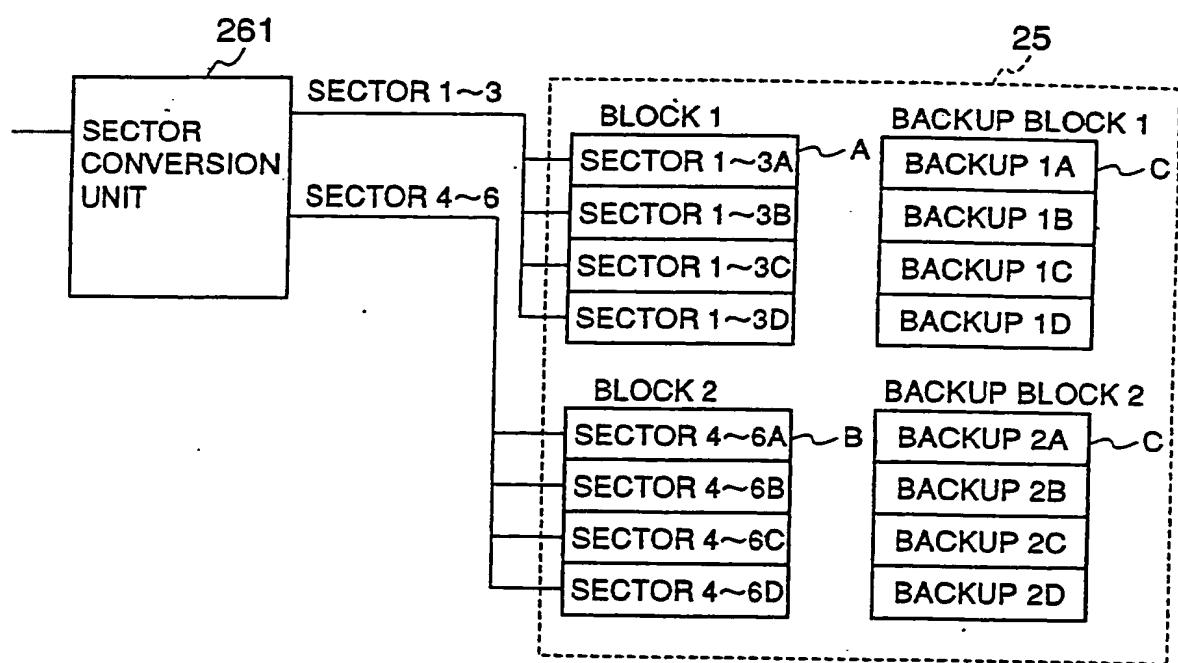


FIG.23B

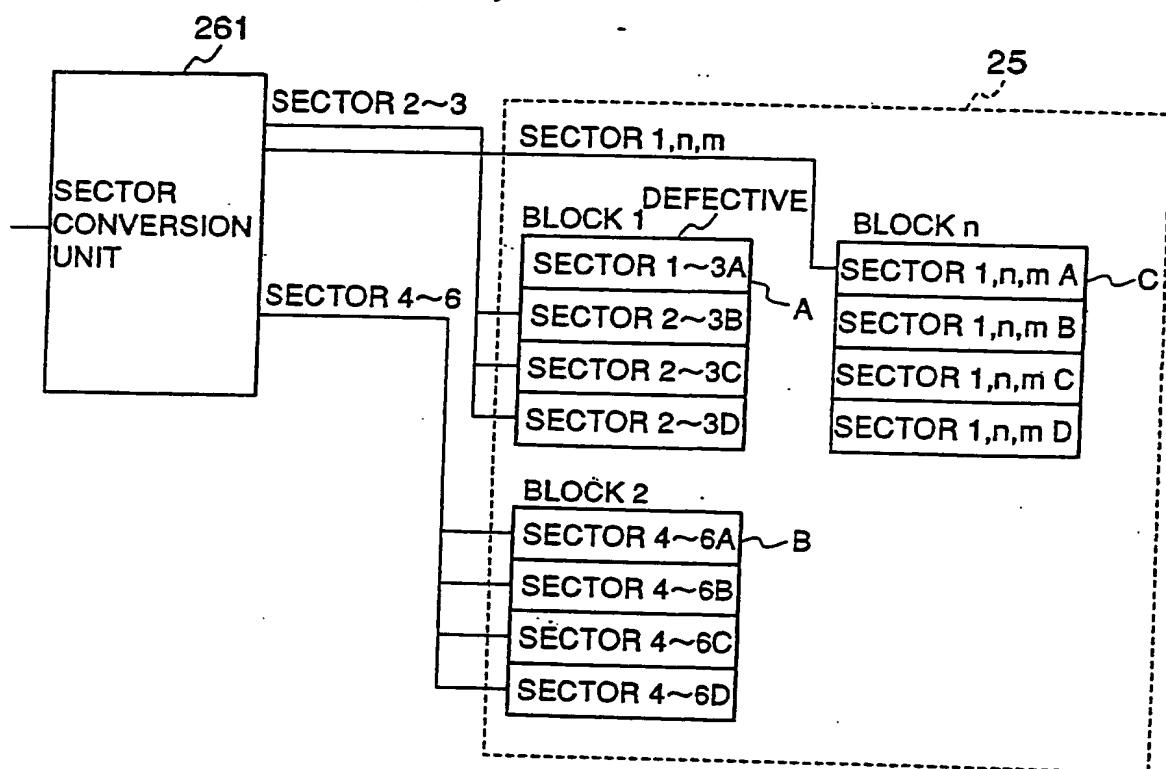


FIG.24A

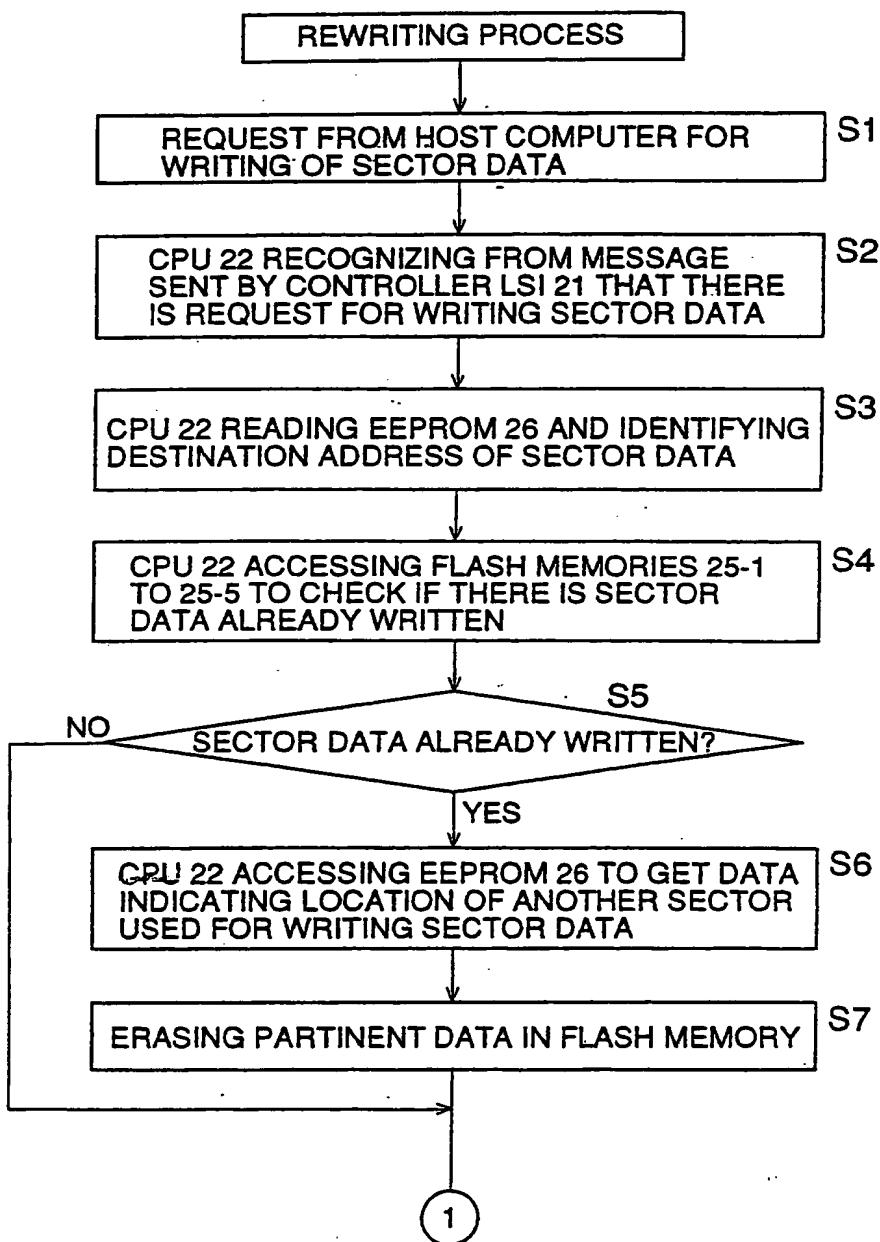


FIG.24B

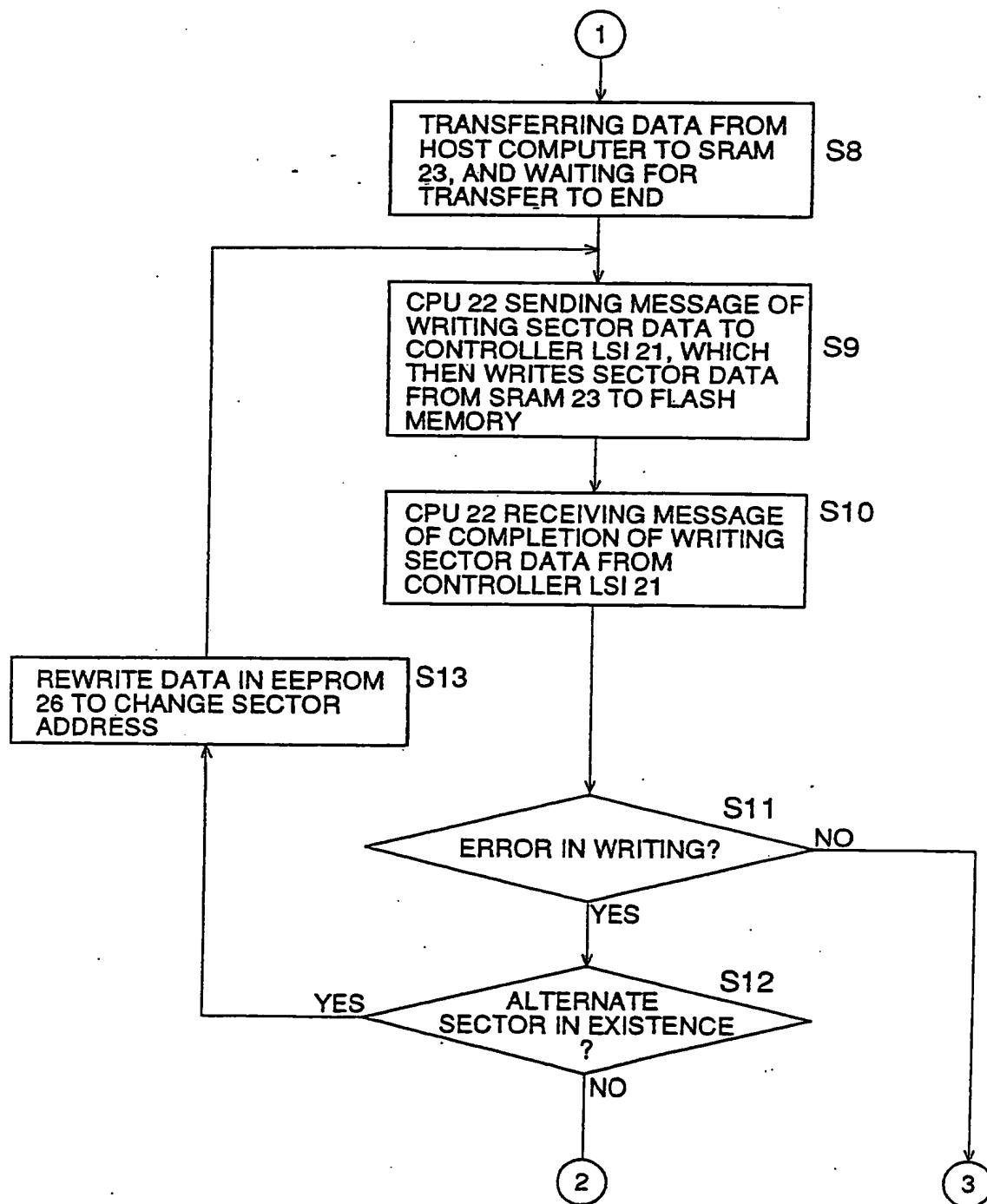
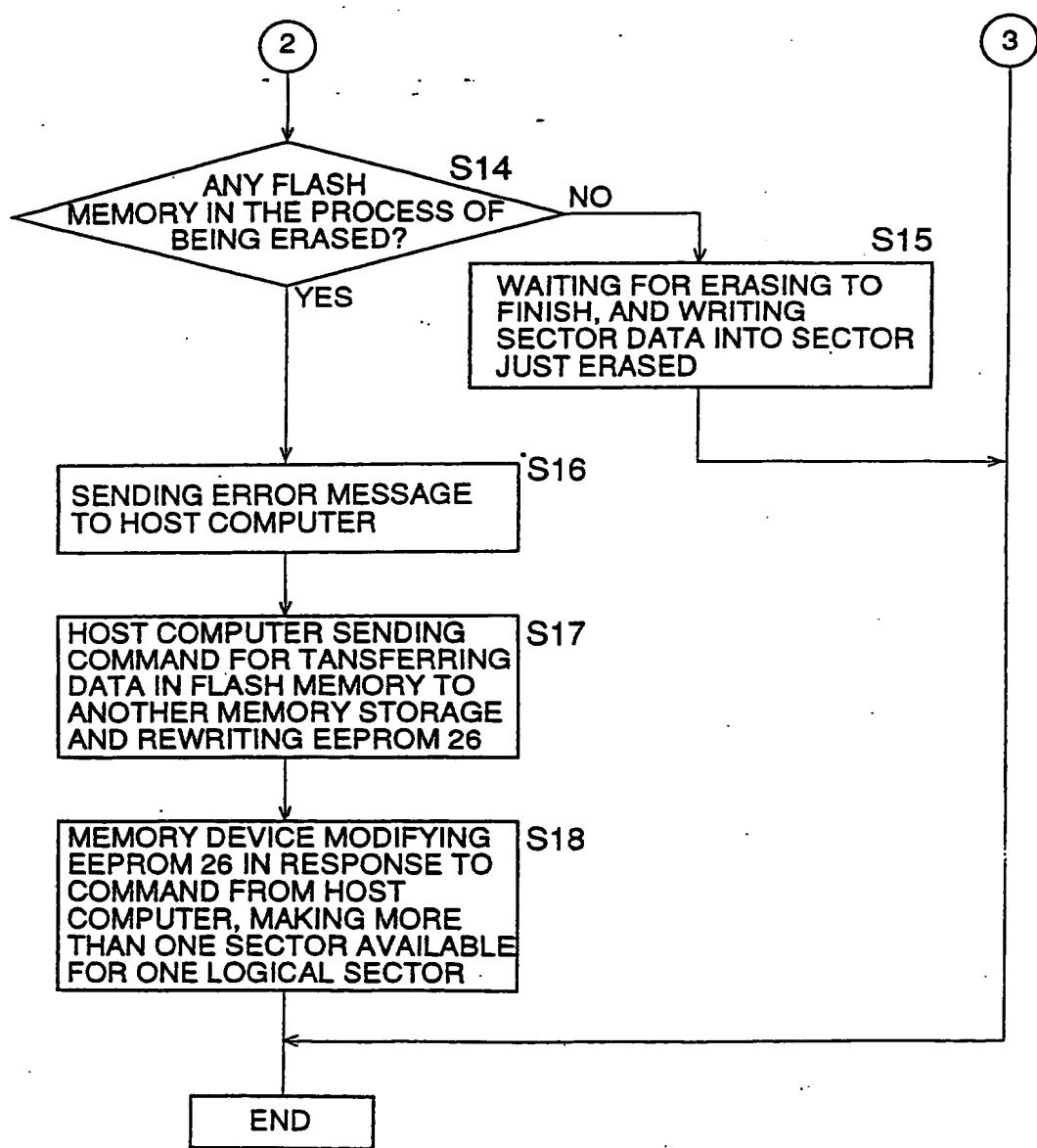
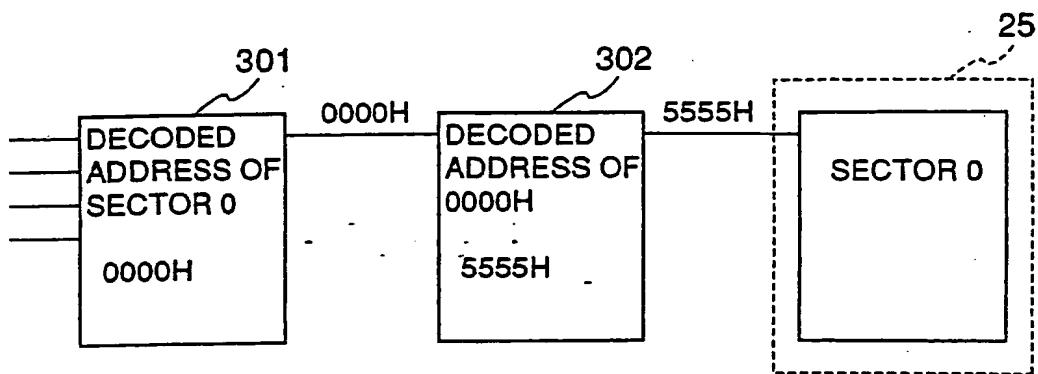


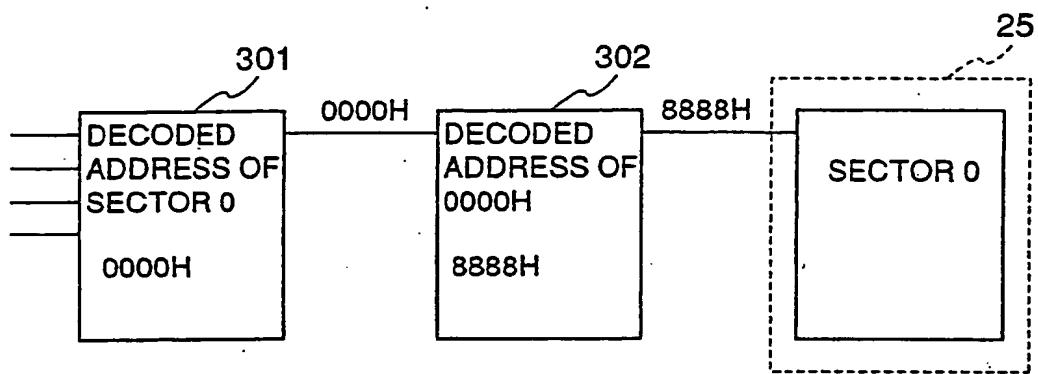
FIG.24C



## FIG.25A



## FIG.25B



## FIG.25C

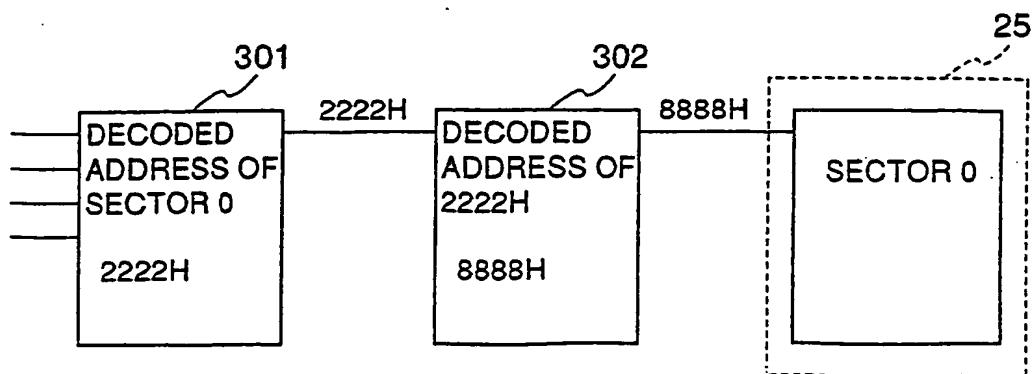
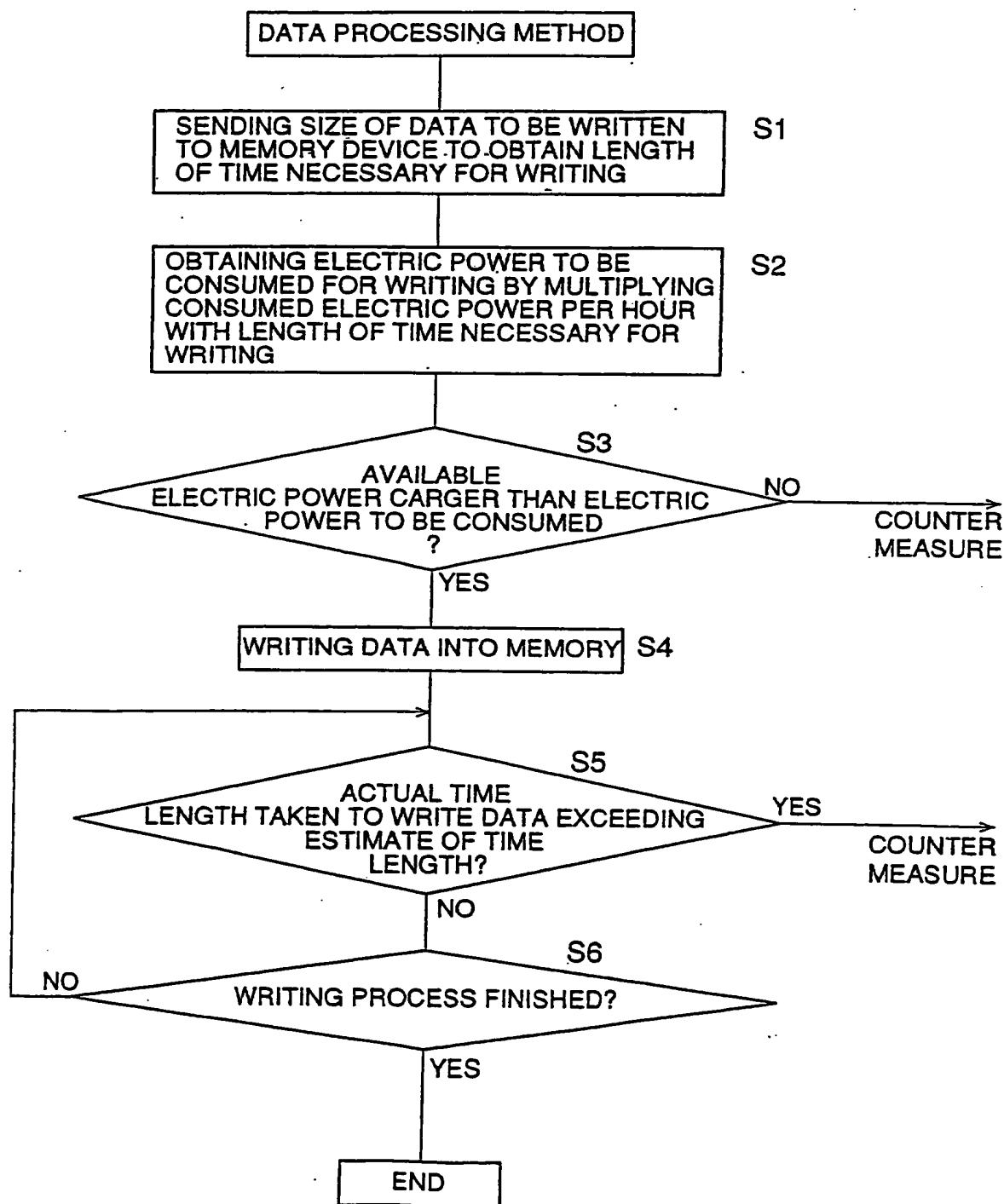


FIG.26

BLOCK1	BLOCK2	BLOCK3	BLOCK4	BLOCK5	BLOCK6
A	G	F	ERASABLE	ERASABLE	
ERASABLE	ERASABLE	H	ERASABLE	K	
ERASABLE	ERASABLE	ERASABLE	N	L	
ERASABLE	C	B	ERASABLE	M	
ERASABLE	D	ERASABLE	I		
ERASABLE	E	ERASABLE	J		
					(EVACUATION AREA)

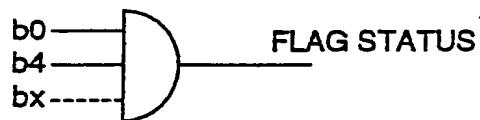
FIG.27



## FIG.28A



## FIG.28B



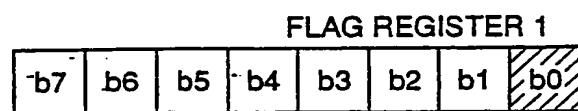
## FIG.28C

	b4	b0	OUTPUT
1	0	0	0
2	0	1	0
3	1	0	0
4	1	1	1

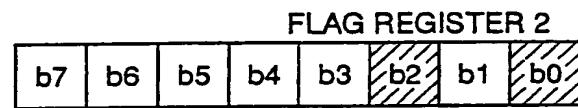
← b0 OF PERMANENT HIGH LEVEL

← b4 OF PERMANENT HIGH LEVEL

## FIG.29A



## FIG.29B



## FIG.29C

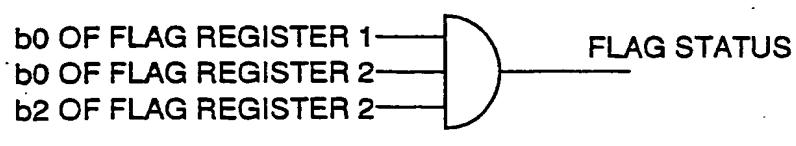


FIG.30

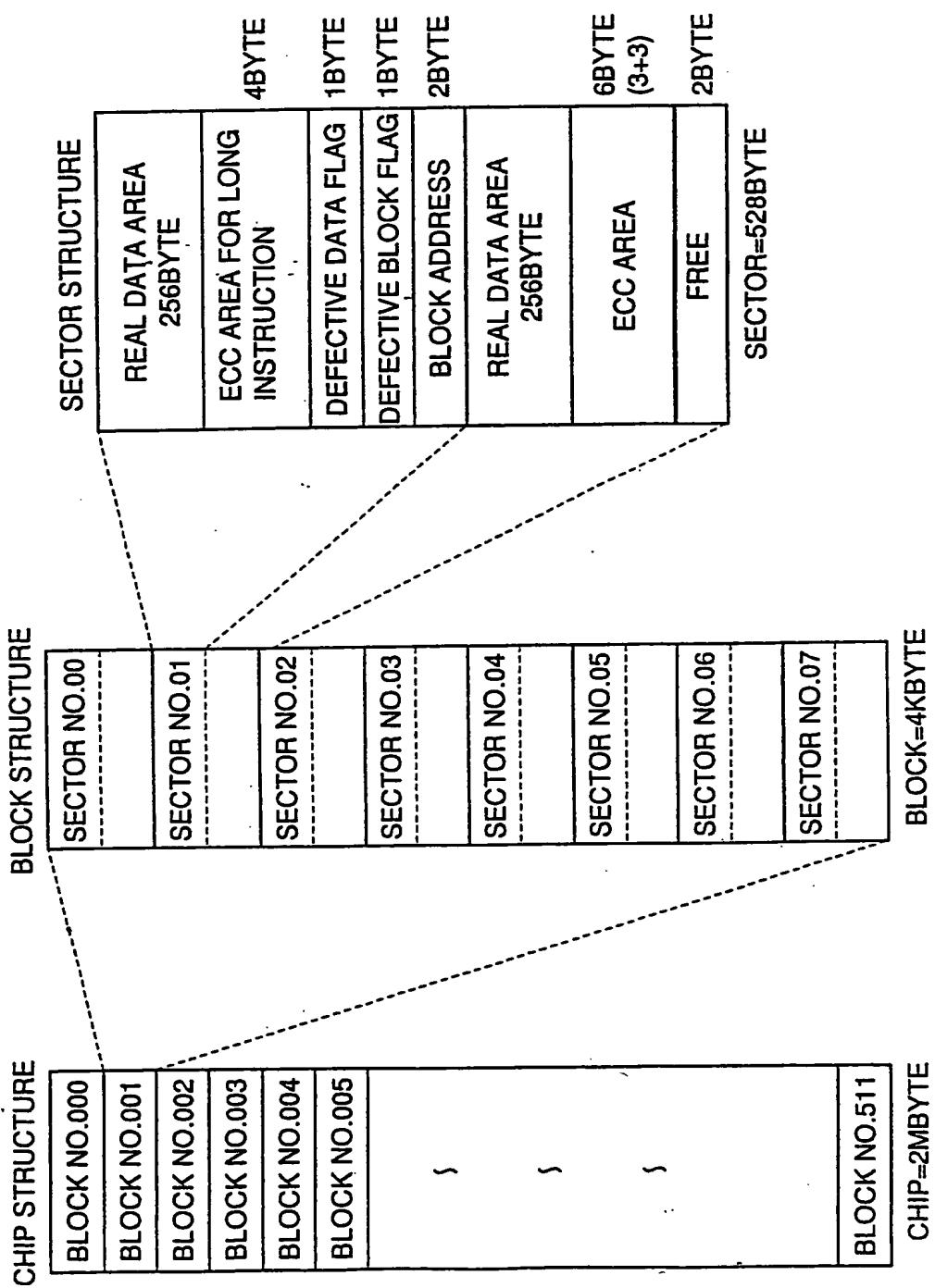


FIG.31A

FIG. 31B

FIG. 31C

FIG.31 D

FIG. 31 E